

DEC SMS#2019-4863, EPA RFA 19093

June 24, 2022

Prepared for: Chittenden County Regional Planning Commission 110 West Canal Street, Suite 202 Winooski, Vermont 05404



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LEE #19-138

This Brownfields Contaminated Soil Delineation Investigation Report for Chittenden County Regional Planning Commission is made possible in part by a grant from the State of Vermont through the Agency of Commerce and Community Development, Department of Economic Development



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1.0 EXECUTIVE SUMMARY

LE Environmental LLC (LEE) conducted a Brownfields Contaminated Soil Delineation Investigation at the Pigeon Property, located at 1705 Route 128, Westford, Chittenden County, Vermont (Site). The Contaminated Soil Delineation Investigation was completed by LEE for the Chittenden County Regional Planning Commission (CCRPC) of Winooski, Vermont and was made possible in part by a grant from the State of Vermont through the Agency of Commerce and Community Development, Department of Economic Development. The work was conducted pursuant to the approved Site-Specific Quality Assurance Project Plan Addendum (SSQAPP Addendum) dated May 16, 2022, approved May 25, 2022, and the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (ASTM E 1903-11). Funding for this investigation was also supported by the US Environmental Protection Agency (USEPA), the CCRPC, and the nineteen member municipalities in Chittenden County. The Site owner is the Pigeon Family Living Trust.

The Site includes a vacant residence and a former bus repair garage and gasoline filling station on approximately 3.3 acres of land. The buildings are currently unoccupied and are used for storage. The Site was developed prior to 1858, and historic Site use has included residential, a gasoline filling station, and automotive and bus repair. A small store was also once present on the southeastern portion of the property, and a tannery was noted on the adjoining property to the west in 1869.

Previous environmental investigations conducted at the Site have revealed the presence of Polycyclic Aromatic Hydrocarbons (PAHs) in soils on the Site, as well as Volatile Organic Compounds (VOCs) in the groundwater. The objective of this investigation was to delineate shallow soils impacted with PAHs on the Site.

Twelve soil borings were advanced at the Site, and 12 shallow soil samples and a duplicate were collected and analyzed for the presence of PAHs via EPA Method 8270d. Soil borings were advanced to a depth of 1.5' below grade (bg) to collect shallow soil samples at each soil boring. Soil samples were screened for VOCs using a calibrated PID. No VOCs above background were reported in the soil samples.

This investigation completed the objective of defining PAH contamination in shallow soil on the Site. Concentrations of PAHs were reported in all of the soil samples and PAH concentrations were converted to PAH toxicity equivalency quotient (TEQ) relative to benzo[a]pyrene. PAH TEQ concentrations were all below the DEC's Statewide Urban Background concentration. Concentrations generally decreased northward.



The PAH contamination present on the Site is likely attributed to the historic storage of buses, auto parts, and other machinery in the area north and northeast of the garage as well as fill soils along the ravine.

LEE recommends an evaluation of corrective action alternatives (ECAA) and a corrective action plan (CAP) be prepared once a redevelopment plan is solidified per the requirements of Subchapter 6 of the DEC's I-Rule.

2.0 SITE INFORMATION

LE Environmental LLC (LEE) conducted a Brownfields Contaminated Soil Delineation Investigation at the Pigeon Property, located at 1705 Route 128, Westford, Chittenden County, Vermont (Site). The Contaminated Soil Delineation Investigation was completed by LEE for the Chittenden County Regional Planning Commission (CCRPC) of Winooski, Vermont and was made possible in part by a grant from the State of Vermont through the Agency of Commerce and Community Development, Department of Economic Development. The work was conducted pursuant to the approved Site-Specific Quality Assurance Project Plan Addendum (SSQAPP Addendum) dated May 16, 2022, approved May 25, 2022, and the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (ASTM E 1903-11). Funding for this investigation was also supported by the US Environmental Protection Agency (USEPA), the CCRPC, and the nineteen member municipalities in Chittenden County. The Site owner is the Pigeon Family Living Trust.

Site Information Table			
Site Owner Name: Pigeon Family Living Trust – George Pigeon			
Site Owner Address: 1705 Route 128, Westford, VT 05494			
Site Owner E-mail:	gepigeon@msn.com		
Site Owner Phone: (802) 355-6628			

3.0 CURRENT USE OF THE SITE

The Site includes a vacant residence and a former bus garage on approximately 3.3 acres of land. The buildings are currently unoccupied and are used for storage.

4.0 CURRENT ADJOINING PROPERTY USES

Current uses of the adjoining properties are as follows:

North: ResidentialSouth: Town Common

East: Multi-family residentialWest: Municipal Offices



5.0 SITE DESCRIPTION

The Site is located on the north side of Route 128. The area immediately surrounding the Site is the town center of Westford, with closely spaced residential homes, a municipal office building, a public library, and a town common. The DEC indicates that the Site is in a designated "urban background" zone for soil contamination. The topography of the Site is fairly flat on its south side, near Route 128, and then slopes downward to the north, toward the Browns River. There is also a ravine on the eastern side of the Site, which contains an outlet drainage pipe for the town common's stormwater system. No odors or sheens have been noted on the water exiting the outlet pipe. Portions of the northern and eastern ends of the property appear to have wetland vegetation.

Three structures are currently present on the property. The residence is a two-story, wood framed structure with a full basement. The garage is a single-story, wood framed structure, with a slab on-grade foundation. The third building is a small wood framed shed.

6.0 LATITUDE/LONGITUDE

The Site coordinates are The Site coordinates are 44° 36′ 45.78″ north latitude and 73° 0′ 34.99″ west longitude.

7.0 PROPERTY HISTORY

The Site was developed prior to 1858. Historic Site use has included residential, with a gasoline filling station, and automotive and bus repair. A small store was also once present on the southeastern portion of the property. A building was noted on or near the northeastern property line on historic (1869 and 1915) maps. The building was gone by 1948. A tannery was noted on the adjoining property to the west in 1869.

A geophysical investigation performed at the Site revealed the possible presence of an underground storage tank (UST) near Route 128, and several smaller buried metal objects.

LEE prepared a Phase I Environmental Site Assessment (ESA) report for the property in September 2019 for the CCRPC, and three Recognized Environmental Conditions (RECs) were identified:

- 1. Historic use of the property for bus/automotive repair and as a gasoline filling station.
- 2. Possible presence of an abandoned underground storage tank (UST).
- 3. Historic adjoining property use as a tannery.



Subsequently, LEE conducted geophysical testing to locate an abandoned UST in 2019 and a Brownfields Phase II ESA in 2020. Both tasks were performed for the CCRPC. The Phase II ESA included removal of the abandoned gasoline UST, soil boring advancement, groundwater monitoring well installation, soil sampling, groundwater sampling, and drinking water sampling.

An abandoned, 1,100-gallon, gasoline UST was removed from the Site on June 2, 2020. The UST was a relic of the former gasoline filling station that operated on the Site from circa 1940 through the mid 1980s. The age of the UST and piping is not known, but it appeared to be at least 80 years old. The UST was a single-walled tank, and piping from other former USTs was also encountered in the excavation. The piping for the removed UST appeared to have been cut near the former pump island, and had paper stuffed in the end. It was buried approximately 1.5' to 2' bg and was found to be in failed condition upon removal, with extensive rust, pitting, and several large holes in the bottom of the UST. Groundwater was encountered at 6' below grade in the excavation, and a sheen was noted on the groundwater.

The photoionization detector (PID) readings ranged from 17.1 parts per million (ppm) in soil under the former dispenser island to 2,374 ppm at the top of the tank where piping (not attached to this tank) was found. PID readings ranging from 1,286 ppm to 1644 ppm were observed under the UST, which was also where groundwater was encountered.

A pipe with unknown purpose was noted on the southern wall of the UST excavation. The excavation could not be extended in this direction due to the presence of Route 128 and special permitting; traffic control, and engineering would be required to dig in this area.

The depth to water ranged from 4.45' below grade in the southern portion of the Site to 11.59' below grade in the northern portion of the Site. The overall groundwater flow beneath the Site appears to be northerly. The approximate hydraulic gradient is approximately 10% on the southern portion of the Site and 16% in the central and northern portions of the Site.

Groundwater is impacted with petroleum related Volatile Organic Compounds (VOCs) at concentrations above the Vermont Groundwater Enforcement Standards (VGES) and above the vapor intrusion standards for groundwater in the vicinity of the former UST, and the plume extends northerly at least 200 feet. The limits of the dissolved-phase contaminant plume were not defined by this investigation. The overall low permeability of the native soils implies the migration of the contaminant plume will be limited. The low permeability of the soils was evident during sampling, where very low recharge was noted in the groundwater monitoring wells.

Shallow and deep soils are impacted with petroleum contamination in the southern portion of the property, near the former UST location, and in the parking area to the



east. Shallow soils are impacted with Polycyclic Aromatic Hydrocarbons (PAHs) in the area to the north of the garage. The limits of the contamination were not defined by this investigation.

No VOCs were reported in the drinking water sample obtained during the Phase II ESA.

A Supplemental Site Investigation was completed in 2021. A geophysical investigation was conducted to investigate the area around the suspect pipe noted on the southern edge of the previous UST excavation on November 24, 2020. No evidence of a pipe or additional USTs beneath Route 128 was noted during the geophysical investigation.

A confirmatory round of groundwater sampling was performed on December 3, 2020. The depth to water ranged from 2.86' below grade (bg) at MW-1 to 8.62' bg at MW-5. Concentrations of benzene, toluene, ethylbenzene, xylenes, trimethylbenzenes, and naphthalene in excess of the Vermont Groundwater Enforcement Standards (VGES) were reported in the vicinity of the former UST location (MW-1). Ethylbenzene was reported in MW-2 below the VGES. No contaminant concentrations were reported above laboratory detection limits in MW-3, MW-4, or MW-5. A supply well sample was also obtained on December 3, 2020, and no VOCs were reported in the water supply sample.

Thirteen soil borings were advanced at the Site on December 21, 2020. Ten soil samples and a duplicate were obtained during drilling. Three additional groundwater monitoring wells, four soil gas wells, and two vapor pins were installed.

PAH toxicity equivalency quotient (TEQ) concentrations in excess of the DEC's Statewide Urban Background concentration were identified in five of the ten shallow soil samples obtained in the 2020 SSI. The northwestern, western, southern, and eastern limits of the PAH-impacted shallow soil were identified by the 2020 SSI sampling. However, the northern-most soil shallow soil samples contained PAH TEQ above the DEC's Statewide Urban Background concentration, indicating the extent of the contamination continues to the north some distance. The area of soils impacted is likely correlated to the historic storage of buses, auto parts, and other machinery in this area.

An additional round of groundwater sampling, including the three newly installed monitoring wells, was performed on January 7, 2021. The depth to water ranged from 2.09' bg at MW-7 to 10.27' bg at MW-5. Concentrations of MTBE, benzene, toluene, ethylbenzene, xylenes, trimethylbenzenes, and naphthalene in excess of the VGES were reported in MW-1. A naphthalene concentration in excess of the VGES was reported in MW-8. Concentrations of ethylbenzene and 1,3,5-trimethylbenzene below the VGES were reported in MW-2.



The northern, western, and southern portions of the groundwater contaminant plume have been defined. The eastern edge of the plume is not fully defined, but it likely terminates in the vicinity of MW-8 based on the fairly low concentration of naphthalene reported there.

Three soil gas, two sub-slab soil gas, and one outdoor ambient air sample were obtained on January 2, 2021. The soil gas samples were analyzed for the presence of VOCs via EPA Method TO-15. Several VOCs were reported in the soil gas samples including: benzene, carbon tetrachloride, ethylbenzene, methylene chloride, tetrachloroethene (PCE), acetone, ethanol, isopropanol, tetrahydrofuran, toluene, Freon 11, and xylenes. None of the reported concentrations exceeded DEC's residential vapor intrusion standards.

Additional contaminated soil delineation was completed in September 2021. Thirteen soil borings were advanced at the Site, and 15 soil samples and a duplicate were collected and analyzed for the presence of PAHs via EPA Method 8270d. Soil borings were advanced to a depth of 1.5' bg to collect shallow soil samples at eleven locations. Two soil borings were advanced to a depth of 6' bg to collect deeper soil samples. Soil samples were all screened for VOCs using a calibrated PID. No VOCs above background were reported in the soil samples.

PAH TEQ concentrations in excess of the DEC's Statewide Urban Background concentration were identified in four of the fifteen soil samples obtained. The northwestern, western, southern, and eastern extent of PAH-impacted shallow soils were defined during the 2021 investigation and previous investigations. PAH contaminated soils appeared to extend down the ravine some distance north beyond the soil samples collected during the 2021 investigation.

Deeper soil samples were also analyzed for PAHs at two locations during the 2021 investigation, and at two other locations during previous investigations. The vertical extent of PAH contamination appears to generally be limited to the upper soil horizons (0-18" bg). However, PAH TEQ in excess of the DEC's Statewide Urban Background concentration was observed in the 2-4' bg sample labeled SB-122S.

8.0 SITE CONTAMINANT BACKGROUND

A. Release Date and Description

Evidence of releases of hazardous substances and petroleum products at the Site was observed during the Phase II ESA, SSI, and this investigation. Exceedances of regulatory groundwater and residential soil standards are noted below:

1. Shallow soil samples obtained from an area north and northeast of the garage, where machinery was stored in the past, has concentrations of PAH TEQ values



- in excess of the DEC's Statewide Urban Background concentration. The limits of this contamination are defined.
- 2. The depth of soil PAH contamination appears to be fairly confined to the top 1.5 feet. However, one deeper soil sample (SB-122s) contained PAH concentrations above background from 2-4 feet below grade.
- 3. Elevated PID readings, stained soils, and strong petroleum odors were noted in the gasoline UST excavation, including at shallow depths near the surface. Additionally, soils beneath the former UST had concentrations of Benzene, Ethylbenzene, Xylenes, trimethylbenzenes, and Naphthalene above residential regulatory standards. The fuel ID sample collected from underneath the UST indicated the presence of leaded gasoline.
- 4. Shallow and deep soils in the former dispenser area also had elevated PID readings, staining, and strong petroleum odors. Concentrations of Benzene and Naphthalene exceeded residential regulatory standards in the deep soils
- 5. Deep soils in the parking area on the southeastern portion of the Site exhibited elevated PID readings, staining, and weathered petroleum odors (SB-4).
- 6. Soils in soil boring SB-5/MW-2 exhibited elevated PID readings and petroleum odors at the groundwater interface. However, the contaminant concentrations reported from the soil sample did not exceed residential regulatory standards.
- 7. Groundwater in the former UST location (MW-1) has concentrations of MtBE, Benzene, Toluene, Ethylbenzene, Xylenes, trimethylbenzenes, Naphthalene, Arsenic, and Lead in exceedance of the Vermont Groundwater Enforcement Standards (VGES).
- 8. Downgradient monitoring well MW-2 and MW-5 had concentrations of Benzene and Naphthalene in exceedance of the VGES, and concentrations of Ethylbenzene were also reported above the VGES at MW-2 during the Phase II ESA. These exceedences were not replicated in the SSI. Groundwater exceedances noted during the SSI were limited to the former UST location (MW-1) and MW-8 (Naphthalene only).

9.0 UPDATED CONCEPTUAL SITE MODEL

A. Updated Site Conceptual Model

The area immediately surrounding the Site is the town center of Westford, with closely spaced residential homes, a municipal office building, a public library, and a town common. The topography of the Site is fairly flat on its south side, near Route 128, and then slopes downward to the north, toward the Browns River. There is also a ravine on the eastern side of the Site, which contains an outlet drainage pipe for the town common's stormwater system. No odors or sheens have been noted on the water exiting the outlet pipe.

The Site was developed as of the earliest record located thus far (1858). The property use has included residential with a gasoline filling station and automotive





and bus repair. According to the current owner, the gasoline tanks were no longer used after circa 1985. A small store was also once present on the southeastern portion of the Site. A tannery was present on the adjoining property to the west on an 1869 map. It is unknown how long the tannery operated.

The on-Site residence is heated with fuel oil. The garage is not currently heated but appears to have been heated with wood, propane, and/or fuel oil historically. The buildings are served by a private dug supply well and at least one septic system. The configuration and location of the septic system is not known.

Bedrock was not encountered in the environmental investigations performed to date. According to the most recent geologic map of Vermont, the bedrock in the vicinity of the Site consists of Cambrian and Neoproterozoic aged schist in the Pinnacle formation and the overburden deposits in the area of the Site are mapped as boulders in clay.¹

The Site is approximately 470 feet above current sea level on the southern portion of the Site, and drops to approximately 435 feet above current sea level at the northern terminus of the parcel boundary. This area has undergone extensive deposition and erosional processes through recent glacial events. The retreat of the Laurentide Ice Sheet led to the formation of glacial Lake Vermont approximately 13,500 years ago. The elevation of the lake surface was approximately 620 feet above sea level, significantly higher than the elevation of the current Lake Champlain. Streams flowing off the melted glacier deposited many sediments, with larger sediments deposited near the front of the glacier and finer grained sediments deposited away from the front of the glacier. Clay and silt varves were deposited in the calmer portions of Lake Vermont.²

The data obtained from soil borings indicate the soils at the Site consist of an approximately 3' thick layer of sand with varying amounts of silt overlaying dense, native clay. The clay contained distinct sand layers in each boring, and distinct varves have been noted in several soil borings. This data suggests the Site was likely located in a calmer portion of Lake Vermont. Sand layers noted in the clay point to periods of higher energy deposition in the lake.

The depth to groundwater at the Site varied between the three groundwater sampling events performed to date. Groundwater levels in December 2020 were 0.45' to 6.89' higher than those reported in June 2020. The groundwater levels in January 2021 were 0.38' to 4.67' lower than those reported in December 2020. The depth to water in January 2020 ranged from 2.09' bg at MW-7 to 10.27' bg at MW-5. Groundwater flow is generally toward the north and northeast. The hydraulic gradient in the southern portion of the Site has been calculated between 5 and 10%,

¹ ANR Atlas.

² S.F. Wright



while the hydraulic gradient on the central and northern portions of the Site has been calculated between 16 and 22%

The overall low permeability of the native soils implies the migration of the groundwater contaminant plume is limited, and it is not expected to travel off-Site. The low permeability of the soils was evident during sampling, where very low recharge has been noted in the groundwater monitoring wells. The sand layers noted during drilling are likely the mechanism for the migration of the low-level dissolved phase groundwater contamination away from the UST area.

Shallow and deep soils are impacted with petroleum contamination in the southern portion of the property, near the former UST location, and in a portion of the parking area to the east. Shallow soils are impacted with PAHs in the area to the north and northeast of the garage. The limits of the shallow soil PAH contamination have been defined. The extent of the contamination appears to correlate to the areas on the Site where buses, auto parts, and other machinery were previously stored and possibly where fill soils have been deposited on-Site. The depth of soil PAH contamination appears to be fairly confined to the top 1.5 feet. However, one deeper soil sample (SB-122s) contained PAH concentrations above background from 2-4 feet below grade.

Groundwater is impacted with petroleum related VOCs at concentrations above the VGES and the VI standards for groundwater in the vicinity of the former UST. The VGES exceedances are primarily limited to the former UST, with low-level contamination extended approximately 100' to the west, 50' to the north, and 75' to the east. The northern, southern, and western limits of the dissolved-phase contaminant plume have been defined. The eastern edge of the plume is not fully defined, but it likely terminates in the vicinity of MW-8 based on the fairly low concentration of naphthalene reported there.

Soil gas sampling results indicate several VOCs are present in the soil gas at the Site including: benzene, carbon tetrachloride, ethylbenzene, methylene chloride, tetrachloroethene (PCE), acetone, ethanol, isopropanol, tetrahydrofuran, toluene, Freon 11, and xylenes. None of the reported concentrations exceeded residential VI standards. The results suggest that while VOCs were detected in all of the soil gas samples obtained, since none of these concentrations exceeded residential VI standards, Site users are not likely to be impacted by these contaminants via vapor intrusion into the structures.

B. Potential Contamination Sources

The most apparent source(s) of contamination at the Site include the leaking gasoline UST removed in June 2020 (soil and groundwater), historic USTs (soil and groundwater), and historic use and storage of hazardous substances and petroleum products (shallow soil).



C. Potential Receptors

Potential receptors of contamination include Site users. Shallow soils are impacted with petroleum and PAHs at the Site. The limits of the dissolved-phase petroleum contamination plume have been fully defined by previous assessments except in the vicinity of MW-8, which is the eastern-most monitoring well in the network. The limits of the shallow soil PAH contamination are defined and appear to correspond to the previous bus and miscellaneous metal storage areas on the Site, as well as possible fill soil deposited near the ravine. The groundwater plume is not likely to be migrating off-Site due to the low permeability soils on the Site and the lack of contamination noted in the downgradient groundwater monitoring well. The Site is currently vacant and not used.

D. Utility Corridors

Buried underground utilities known to exist on or in the immediate vicinity of the Site include the water line from the well to the residence and garage, and the septic systems for the buildings. The Westford Common to the south of the Site has a series of drainage lines, which connect to a drainage culvert on the eastern portion of the Site. A petroleum odor was noted in the vicinity of the drainage outfall during this investigation, but no water was being discharged and no sheens were noted. PID readings obtained in the culvert were 0.6 ppm. Petroleum vapors may be impacting the utility corridor; however, the levels of vapors appear to be fairly low.

E. Water Bodies and Wetlands

The Browns River abuts the property on its northeast side, and is approximately 450' from the former UST location. There is also an unnamed tributary that runs through the western portion of the property, and this tributary is approximately 200 feet northwest of the former UST location. The ANR Natural Resources Atlas does not depict Vermont State Wetland Inventory (VSWI) or wetlands advisory areas on the Site. However, apparent wetland vegetation was noted on the northern portions of the Site. Based on the results of the investigation, surface water does not appear to be at risk.

F. Water Supplies

The Site and nearby properties are served by private wells. Approximately 28 water supply wells are depicted on the ANR Natural Resources Atlas within a quarter-mile of the Site. The on-Site supply well was sampled and tested for VOCs twice, and no detections of VOCs or exceedances of regulatory standards were noted. The data

suggests off-Site supply wells are unlikely to be impacted from contamination at this Site.

G. Site Users

The Site is currently unoccupied and not being used except for storage by the owners of the property. Portions of the area have shallow soil contamination and future Site users could come into contact with this soil.

10.0 WORK PLAN DEVIATIONS

All of the work described in the approved SSQAPP Addendum dated May 16, 2022 was performed as described with no deviations.

11.0 SAMPLE COLLECTION DOCUMENTATION

The following tables outline the location of samples, the method of collection, and the soil boring identification number.

Soil Samples

Depth (ft bg) Analytical Methods Collection Method

Sample ID	Depth (ft bg)	Analytical Methods	Collection Method
SB-122	0-1.5	PAHs via 8270D	Grab from hand auger
SB-123	0-1.5	PAHs via 8270D	Grab from hand auger
SB-124/Duplicate	0-1.5	PAHs via 8270D	Grab from hand auger
SB-125	0-1.5	PAHs via 8270D	Grab from hand auger
SB-126	0-1.5	PAHs via 8270D	Grab from hand auger
SB-127	0-1.5	PAHs via 8270D	Grab from hand auger
SB-128	0-1.5	PAHs via 8270D	Grab from hand auger
SB-129	0-1.5	PAHs via 8270D	Grab from hand auger
SB-130	0-1.5	PAHs via 8270D	Grab from hand auger
SB-131	0-1.5	PAHs via 8270D	Grab from hand auger
SB-132	0-1.5	PAHs via 8270D	Grab from hand auger
SB-133	0-1.5	PAHs via 8270D	Grab from hand auger

12.0 CONTAMINATED MEDIA CHARACTERIZATION

The goal of this work was to further define PAH contamination in shallow soils at the Site. The future plans for development of the Site include possible construction of commercial and residential development. Therefore, all laboratory analytical data have been evaluated in the context of state and federal residential thresholds for contaminated media in a DEC-designated urban background soil location.

A. Soil

Prior to the initiation of subsurface activities, LEE pre-marked the proposed boring locations and Dig Safe ticket number 20222209529 was obtained. The Site-Specific



Health and Safety Plan was reviewed by field staff prior to work. The locations of the soil borings are noted on the attached Contaminant Map.

On June 8, 2022, LEE advanced twelve soil borings at the locations shown on the attached map. The soil borings were advanced with a hand auger to a depth of 1.5' bg. A soil sample was obtained from each boring and the soil samples were screened for VOCs using a calibrated PID. No PID readings above background were obtained.

Soil samples were submitted for laboratory analysis of PAHs via EPA Method 8270d. A duplicate sample was obtained from SB-124. Samples were submitted to Eastern Analytical Inc. of Concord, NH (EAI) for analysis.

Concentrations of PAHs were reported in all of the soil samples. PAH concentrations were converted to TEQ relative to benzo[a]pyrene. PAH TEQ concentrations were all below the DEC's Statewide Urban Background concentration. Concentrations generally decreased northward.

One soil sample, SB-123, was obtained directly below the drainage culvert in the ravine. PAH concentrations were detected in this sample but they are below the DEC's Statewide Urban Background concentration. A petroleum odor was noted in the vicinity of the drainage outfall during this investigation, but no water was being discharged at the time of sampling, and no sheens were noted in the ravine. PID readings obtained in the culvert were 0.6 ppm.

The tabulated soil testing results, Method 2 CRA worksheets, and laboratory report are in Appendix B.

13.0 SITE-SPECIFIC RISK ASSESSMENT

No site-specific risk assessment was proposed or generated during this Brownfields Contaminated Soil Delineation Investigation.

14.0 MAPS

A Site location map, current ANR Natural Resources Atlas map, and shallow soil contaminant distribution map are attached.

15.0 DISCUSSION

A. Soil Sample Results

The objective of this investigation was to delineate shallow soils impacted with PAHs on the Site. The area of shallow soils with PAH TEQ concentrations in excess of the DEC's Statewide Urban Background concentration has been defined. A visual



interpretation of the data is presented in the Shallow Soil Contaminant Distribution Map.

The PAH contamination present on the Site is likely attributed to the historic storage of buses, auto parts, and other machinery in the area north and northeast of the garage as well as fill soils along the ravine.

Method 2 Cumulative Risk Assessment

Method 2 Cumulative Risk Assessments (CRA) were performed for all shallow soil data without indicated exceedances of current residential soil standards. The results of the Method 2 CRA do not indicate an elevated carcinogenic or non-carcinogenic risk at those locations. Method 2 CRA tabulations are included in Appendix B.

16.0 DATA PRESENTATION

LEE compiled current and previous analytical data for the Site in tabular format with comparisons to the current state and federal soil screening values presented in the I-Rule. These tables and the supporting laboratory data in Appendix B. Observations regarding the data and comparison to current screening values are presented in Section 12.

17.0 QA/QC SAMPLE RESULTS

LEE's quality assurance officer performed data validation on all field and laboratory data generated during the Brownfields Contaminated Soil Delineation Investigation, according to LEE's current generic QAPP (RFA 19093) and the approved SSQAPP Addendum dated May 16, 2022. The results are included in Appendix C and they indicate the field and laboratory data should be accepted without qualification.

18.0 INVESTIGATION DERIVED WASTE

Investigation-derived waste associated with this investigation included small amounts of soils generated during soil borings. All of the soils generated were returned to the Site.

19.0 CONCLUSIONS AND RECOMMENDATIONS

LEE has developed the following conclusions during the Brownfields Contaminated Soil Delineation Investigation:

• Twelve soil borings were advanced at the Site on June 8, 2022. Twelve soil samples and a duplicate were obtained.



- No PID readings above background were obtained in the soil samples.
- Concentrations of PAHs were reported in all of the soil samples, and all PAH TEQ concentrations were below the DEC's Statewide Urban Background concentration. Concentrations generally decreased northward.
- One soil sample, SB-123, was obtained directly below the drainage culvert in the ravine. PAH concentrations were detected in this sample but they are below the DEC's Statewide Urban Background concentration. A petroleum odor was noted in the vicinity of the drainage outfall during this investigation, but no water was being discharged at the time of sampling, and no sheens were noted in the ravine. PID readings obtained in the culvert were 0.4 ppm.
- The area of shallow soils with PAH TEQ concentrations in excess of the DEC's Statewide Urban Background concentration has been defined. The PAH contamination present on the Site is likely attributed to the historic storage of buses, auto parts, and other machinery in the area north and northeast of the garage as well as fill soils along the ravine.

LEE has developed the following recommendations:

• An evaluation of corrective action alternatives (ECAA) and a corrective action plan (CAP) should be prepared once a redevelopment plan is solidified per the requirements of Subchapter 6 of the DEC's I-Rule.

20.0 SIGNATURE AND CERTIFICATION

"I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct."

Angela Emerson, PG, Environmental Professional

Linch Emeron



21.0 MAPS AND APPENDICES

MAPS

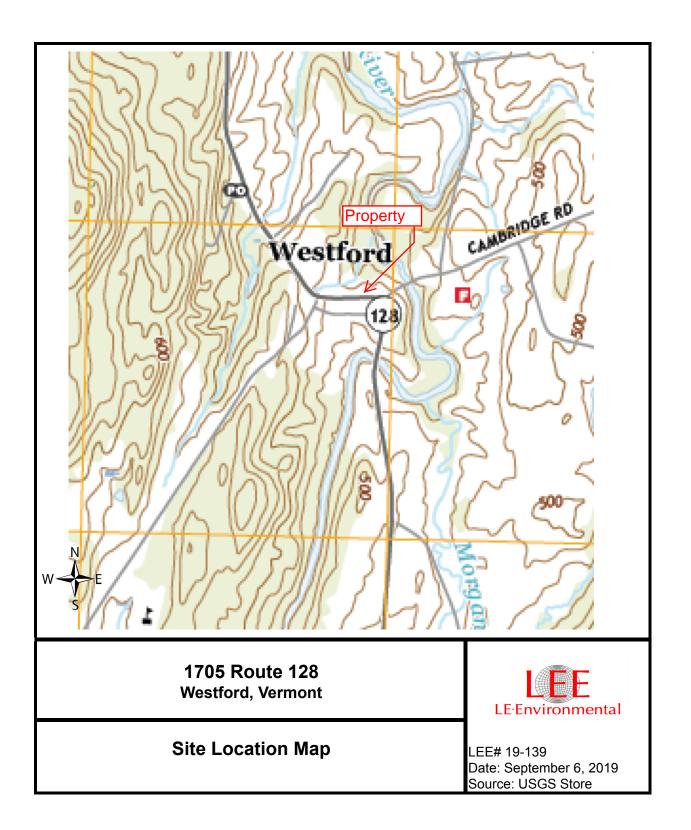
Site Location Map ANR Atlas Map Shallow Soil Contaminant Distribution Map - B(a)P TEQ

APPENDICES

- A. Standard Operating Procedures
- B. Soil Data Tabulation and Laboratory Analytical Results
- C. Data Validation Report
- D. Field Notes

MAPS

Site Location Map ANR Atlas Map Shallow Soil Contaminant Distribution Map - B(a)P TEQ







1705 Route 128

Vermont Agency of Natural Resources

vermont.gov



$\overline{\bigcirc}$ COMMON-RD

LEGEND

- Hazardous Site
- Hazardous Waste Generators
- Brownfields
- Salvage Yard
- Aboveground Storage Tank
- Underground Storage Tank (w
- Dry Cleaner
- Parcels (standardized)

Roads

- Interstate
- US Highway; 1
- State Highway
- Town Highway (Class 1)
- Town Highway (Class 2,3)
- Town Highway (Class 4)
- State Forest Trail
- National Forest Trail
- Legal Trail
- Private Road/Driveway
- Proposed Roads

Stream/River

- Stream
- Intermittent Stream
- **Town Boundary**

114.00 227.0 227.0 Meters WGS_1984_Web_Mercator_Auxiliary_Sphere 372 Ft. 1cm = 45 © Vermont Agency of Natural Resources THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

1: 4,461

June 23, 2022

NOTES

Map created using ANR's Natural Resources Atlas





21 North Main Street Unit #1 Waterbury, Vermont Phone: 802-917-2001 www.leenv.net Shallow Soil Contaminant
Distribution Map
B[a]P TEQ
Pigeon Property
1705 Route 128
Westford, Vermont

- Soil boring/soil sample with B[a]P TEQ concentrations reported in (mg/kg)
 Exceedance of VT urban background in bold



APPENDIX A

Standard Operating Procedures



Field Standard Operating Procedures used during this work:

• LEE SOP A: Soil Sampling

• LEE SOP B: Soil Borings, Groundwater Monitoring Well Installation and Low flow groundwater sampling

• LEE SOP E: Sample Handling

• LEE SOP F: PID Operation



APPENDIX B

Soil Data Tabulation Laboratory Analytical Results

Soil PAH Delineation **Pigeon Property** Westford, Vermont Soil Data Summary Page 1 of 3



Sample Identification	SB-122	SB-123	SB-124	SB-125	SB-126	SB-127	SB-128	SB-129	SB-130	SB-131	SB-132	EPA		VSS	VSS Non-
Sample Depth (ft. bg)	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	Residential	EPA Industrial	Residential	Residential
PID Reading (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RSL (mg/kg)	RSL (mg/kg)	(mg/kg)	(mg/kg)
Sample Date	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	KSL (mg/ kg)		(mg/kg)	(mg/kg)
PAH EPA Method 8270D (mg/kg)															
Naphthalene	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	-	-	2.7	16
2-Methylnaphthalene	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	240	3,000	-	-
1-Methylnaphthalene	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	18	73	-	-
Acenaphthylene	0.026	0.021	0.015	ND< 0.01	0.022	ND< 0.008	ND< 0.009	0.0099	ND< 0.008	ND< 0.01	ND< 0.009	-	-	-	-
Acenaphthene	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	3,600	45,000	-	-
Fluorene	ND< 0.009	ND< 0.009	0.0087	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	-	-	2,301	26,371
Phenanthrene	0.09	0.059	0.11	0.02	0.011	ND< 0.008	0.013	0.036	ND< 0.008	ND< 0.01	0.024	-	-	-	-
Anthracene	0.022	0.019	0.011	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	18,000	230,000	-	-
Fluoranthene	0.25	0.3	0.15	0.042	0.051	0.014	0.02	0.074	0.013	0.012	0.041	-	-	2,301	26,371
Pyrene	0.2	0.27	0.13	0.035	0.078	0.012	0.017	0.071	0.012	0.01	0.034	1,800	23,000	-	-
Benzo(a)anthracene	0.11	0.14	0.062	0.017	0.047	0.0087	0.0093	0.04	0.0088	ND< 0.01	0.015	1.1	21	-	-
Chrysene	0.13	0.15	0.07	0.019	0.055	ND< 0.008	ND< 0.009	0.045	ND< 0.008	ND< 0.01	0.017	110	2,100	-	-
Benzo(b)fluoranthene	0.17	0.19	0.077	0.025	0.049	0.0085	0.0092	0.064	0.0091	ND< 0.01	0.021	1.1	21	-	-
Benzo(k)fluoranthene	0.07	0.072	0.027	0.011	0.019	ND< 0.008	ND< 0.009	0.023	ND< 0.008	ND< 0.01	ND< 0.009	11	210	-	-
Benzo(a)pyrene	0.14	0.16	0.067	0.021	0.055	ND< 0.008	ND< 0.009	0.053	ND< 0.008	ND< 0.01	0.017	-	-	0.07	1.54
Indeno(1,2,3-cd)pyrene	0.09	0.12	0.047	0.017	0.026	ND< 0.008	ND< 0.009	0.037	ND< 0.008	ND< 0.01	0.012	1.1	21	-	-
Dibenz(a,h)anthracene	0.015	0.022	0.0095	ND< 0.01	ND< 0.009	ND< 0.008	ND< 0.009	ND< 0.009	ND< 0.008	ND< 0.01	ND< 0.009	0.11	2.1	-	-
Benzo(g,h,i)perylene	0.083	0.12	0.044	0.016	0.025	ND< 0.008	ND< 0.009	0.033	ND< 0.008	ND< 0.01	0.01	-	-	-	-
Total Reported PAHs	1.4	1.6	0.83	0.22	0.438	0.043	0.01	0.49	0.043	0.02	0.19	-	-	-	-
PAH TEQ as Benzo(a)pyrene	0.19	0.23	0.10	0.03	0.07	0.01	0.01	0.07	0.01	0.01	0.03	-	-		0.58 (urban bkgd)

Sample Identification Sample Depth (ft. bg) PID Reading (ppm) Sample Date	SB-133 0-1.5 0.0 6/8/22	Dup SB-124 0-1.5 0.0 6/8/22	EPA Residential RSL (mg/kg)	EPA Industrial RSL (mg/kg)	VSS Residential (mg/kg)	VSS Non- Residential (mg/kg)
PAH EPA Method 8270D (mg/kg)						
Naphthalene	ND< 0.009	ND< 0.008	-	-	2.7	16
2-Methylnaphthalene	ND< 0.009	ND< 0.008	240	3,000		
1-Methylnaphthalene	ND< 0.009	ND< 0.008	18	73	-	-
Acenaphthylene	ND< 0.009	ND< 0.008	-	-	-	-
Acenaphthene	ND< 0.009	ND< 0.008	3,600	45,000	-	-
Fluorene	ND< 0.009	ND< 0.008	-	-	2,301	26,371
Phenanthrene	ND< 0.009	ND< 0.008	-	-	-	-
Anthracene	ND< 0.009	ND< 0.008	18,000	230,000	-	-
Fluoranthene	0.012	0.015	-	-	2,301	26,371
Pyrene	0.011	0.016	1,800	23,000	-	-
Benzo(a)anthracene	ND< 0.009	0.0098	1.1	21		
Chrysene	ND< 0.009	0.0098	110	2,100	-	-
Benzo(b)fluoranthene	ND< 0.009	0.012	1.1	21	-	-
Benzo(k)fluoranthene	ND< 0.009	ND< 0.008	11	210		
Benzo(a)pyrene	ND< 0.009	0.0097		-	0.07	1.54
Indeno(1,2,3-cd)pyrene	ND< 0.009	ND< 0.008	1.1	21		
Dibenz(a,h)anthracene	ND< 0.009	ND< 0.008	0.11	2.1	-	-
Benzo(g,h,i)perylene	ND< 0.009	ND< 0.008	-	-	-	-
Total Reported PAHs	0.023	0.072	-	-	-	-
PAH TEQ as Benzo(a)pyrene	0.01	0.02	-	-		0.58 (urban bkgd)

Vermont Soil Standards (VSS) and Statewide Background Concentrations from July 2019 DEC I-Rule EPA Regional Screening Levels (RSLs) from May 2020 RSL Summary Table. RSLs not included when a VSS exists. Reported results or reporting limits equal to or in excess of residential soil thresholds are shaded. Dashed Cell=no published value (VSS) or published value not applicable (RSL)

Toxic Equivalency Calculations Pigeon Property Page 2 of 3

LE-Environmental

SB-122

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.11	0.1	0.011
Chrysene	0.13	0.001	0.00013
Benzo(b)fluoranthene	0.17	0.1	0.017
Benzo(k)fluoranthene	0.070	0.01	0.0007
Benzo(a)pyrene	0.14	1	0.14
Indeno(1,2,3-cd)pyrene	0.090	0.1	0.009
Dibenz(a,h)anthracene	0.015	1	0.015
	0.19		

SB-123

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.14	0.1	0.014
Chrysene	0.15	0.001	0.00015
Benzo(b)fluoranthene	0.19	0.1	0.019
Benzo(k)fluoranthene	0.072	0.01	0.00072
Benzo(a)pyrene	0.16	1	0.16
Indeno(1,2,3-cd)pyrene	0.12	0.1	0.012
Dibenz(a,h)anthracene	0.022	1	0.022
	Total Ber	zo(a)nyrene Equivalent =	0.23

SB-124

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.062	0.1	0.0062
Chrysene	0.070	0.001	0.00007
Benzo(b)fluoranthene	0.077	0.1	0.0077
Benzo(k)fluoranthene	0.027	0.01	0.00027
Benzo(a)pyrene	0.067	1	0.067
Indeno(1,2,3-cd)pyrene	0.047	0.1	0.0047
Dibenz(a,h)anthracene	0.0095	1	0.0095
	0.10		

B-125

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.017	0.1	0.0017
Chrysene	0.019	0.001	0.000019
Benzo(b)fluoranthene	0.025	0.1	0.0025
Benzo(k)fluoranthene	0.011	0.01	0.00011
Benzo(a)pyrene	0.021	1	0.021
Indeno(1,2,3-cd)pyrene	0.017	0.1	0.0017
Dibenz(a,h)anthracene	0.005	1	0.005
	0.03		

SB-126

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.047	0.1	0.0047
Chrysene	0.055	0.001	0.000055
Benzo(b)fluoranthene	0.049	0.1	0.0049
Benzo(k)fluoranthene	0.019	0.01	0.00019
Benzo(a)pyrene	0.055	1	0.055
Indeno(1,2,3-cd)pyrene	0.026	0.1	0.0026
Dibenz(a,h)anthracene	0.0045	1	0.0045
	Total Ben	0.07	

SB-127

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.0087	0.1	0.00087
Chrysene	0.004	0.001	0.000004
Benzo(b)fluoranthene	0.0085	0.1	0.00085
Benzo(k)fluoranthene	0.004	0.01	0.00004
Benzo(a)pyrene	0.004	1	0.004
Indeno(1,2,3-cd)pyrene	0.004	0.1	0.0004
Dibenz(a,h)anthracene	0.004	1	0.004
	0.01		

Toxic Equivalency Calculations Pigeon Property Page 3 of 3



SB-128

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.0093	0.1	0.00093
Chrysene	0.0045	0.001	0.0000045
Benzo(b)fluoranthene	0.0092	0.1	0.00092
Benzo(k)fluoranthene	0.0045	0.01	0.000045
Benzo(a)pyrene	0.0045	1	0.0045
Indeno(1,2,3-cd)pyrene	0.0045	0.1	0.00045
Dibenz(a,h)anthracene	0.0045	1	0.0045
	0.01		

SB-129

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.040	0.1	0.004
Chrysene	0.045	0.001	0.000045
Benzo(b)fluoranthene	0.064	0.1	0.0064
Benzo(k)fluoranthene	0.023	0.01	0.00023
Benzo(a)pyrene	0.053	1	0.053
Indeno(1,2,3-cd)pyrene	0.037	0.1	0.0037
Dibenz(a,h)anthracene	0.0045	1	0.0045
	Total Ber	nzo(a)pyrene Equivalent =	0.07

SB-130

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.0088	0.1	0.00088
Chrysene	0.004	0.001	0.000004
Benzo(b)fluoranthene	0.0091	0.1	0.00091
Benzo(k)fluoranthene	0.004	0.01	0.00004
Benzo(a)pyrene	0.004	1	0.004
Indeno(1,2,3-cd)pyrene	0.004	0.1	0.0004
Dibenz(a,h)anthracene	0.004	1	0.004
<u> </u>	Total Ber	zo(a)nyrene Equivalent =	0.01

131		

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.005	0.1	0.0005
Chrysene	0.005	0.001	0.000005
Benzo(b)fluoranthene	0.005	0.1	0.0005
Benzo(k)fluoranthene	0.005	0.01	0.00005
Benzo(a)pyrene	0.005	1	0.005
Indeno(1,2,3-cd)pyrene	0.005	0.1	0.0005
Dibenz(a,h)anthracene	0.005	1	0.005
	Total Ber	zo(a)pyrene Equivalent =	0.01

SB-132

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.015	0.1	0.0015
Chrysene	0.017	0.001	0.000017
Benzo(b)fluoranthene	0.021	0.1	0.0021
Benzo(k)fluoranthene	0.0045	0.01	0.000045
Benzo(a)pyrene	0.017	1	0.017
Indeno(1,2,3-cd)pyrene	0.012	0.1	0.0012
Dibenz(a,h)anthracene	0.0045	1	0.0045
	Total Ren	zo(a)nyrene Equivalent =	0.03

SB-133

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.0045	0.1	0.00045
Chrysene	0.0045	0.001	0.0000045
Benzo(b)fluoranthene	0.0045	0.1	0.00045
Benzo(k)fluoranthene	0.0045	0.01	0.000045
Benzo(a)pyrene	0.0045	1	0.0045
Indeno(1,2,3-cd)pyrene	0.0045	0.1	0.00045
Dibenz(a,h)anthracene	0.0045	1	0.0045
	Total Ber	zo(a)pyrene Equivalent =	0.01

Duplicate SB-124

Contaminant	Concentration (mg/kg)	Toxicity Equivalency Factor	Toxicity Equivalents to Benzo(a)pyrene
Benzo(a)anthracene	0.0098	0.1	0.00098
Chrysene	0.0098	0.001	0.0000098
Benzo(b)fluoranthene	0.012	0.1	0.0012
Benzo(k)fluoranthene	0.004	0.01	0.00004
Benzo(a)pyrene	0.0097	1	0.0097
Indeno(1,2,3-cd)pyrene	0.004	0.1	0.0004
Dibenz(a,h)anthracene	0.004	1	0.004
	Total Ber	zo(a)pyrene Equivalent =	0.02

inalyte	CASRN	*DD DSV (mg/kg)	bRB-RSV _n	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	*RB-RSV _{cs} (mg/kg) 2.25E-06	(mg/kg) 4.91E-05	(1116/146)	Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d		7.28E-02	4.912-03 NA		Analyte conc. < RL	No noncancer RB-R
enzo(a)pyrene"	50-32-8	NA NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA NA	4.14E+02	_	No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA .	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI)	18540-29-9	9.06E-02	1.16E+02	_	Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4 7440-50-8	1.51E+02	2.19E+01 1.04E+04		Analyte conc. < RL	Analyte conc. < RL
opper		NA 1.98E+01			No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7		1.22E+03		Analyte conc. < RL	Analyte conc. < RL
lbromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
lichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
lichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Dichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02	2 505 04	Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	2.50E-01	No cancer RB-RSV	1.09E-04
luorene	86-73-7 118-74-1	NA 1.31F-01	2.30E+03 5.61E+01		No cancer RB-RSV	Analyte conc. < RL
lexachlorobenzene	121-82-4		2.90E+02		Analyte conc. < RL	Analyte conc. < RL
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	74-90-8	4.60E+00 NA	4.91E+01		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
lydrogen cyanide ron	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene) Manganese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
Mercury (elemental)	7439-97-6	NA NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
Methyl ethyl ketone	78-93-3	NA NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
fethyl tert-butyl ether (MTBE)	1634-04-4	NA NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
folybdenum	7439-98-7	NA NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
	91-20-3	2.72E+00	2.24E+02			
aphthalene lickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
HMX)	2691-41-0	5.23E+03 NA	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	2691-41-0 87-86-5	NA 4 84F-01	3.70E+03 2.37F+02		Analyte conc. < RL	Analyte conc. < RL
entachiorophenoi entaerythritol tetranitrate (PETN)	78-11-5	4.64E-U1 NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
entaerythritoi tetranitrate (PEIN) erchlorate	/8-11-5 14797-73-0	NA NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
	375-85-9	NA NA	5.13E+01 1.22E+00		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
						Analyte conc. < RL
erfluoroheptanoic acid (PFHpA)		NA.	1 225-00			
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS)	355-46-4	NA NA	1.22E+00		No cancer RB-RSV	
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA)	355-46-4 375-95-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA) erfluorooctane sulfonic acid (PFOS)	355-46-4 375-95-1 1763-23-1	NA NA	1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA) erfluorooctane sulfonic acid (PFOS) efluorooctane sulfonic acid (PFOS)	355-46-4 375-95-1	NA	1.22E+00		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
erfluoroheptanolic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA) erfluorooctane sulfonic acid (PFOS) effluorooctanoic acid (PFOA) ropoxur (Baygon)	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1	NA NA 3.96E+00 7.88E+01	1.22E+00 1.22E+00 1.22E+00 2.43E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA) erfluorooctanoic acid (PFOA) erfluorooctanoic acid (PFOA) ropoxur (Baygon) roppyl benzene, n-	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1	NA NA 3.96E+00 7.88E+01 NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
erfluoroheptanolic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorononanolic acid (PFNA) erfluorooctane sulfonic acid (PFOS) erfluorooctane sulfonic acid (PFOA) roposur (Baygon) ropyl betzene, n- elenium	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2	NA NA 3.96E+00 7.88E+01 NA NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
effluoroheptanoic acid (PPHpA) effluoroheptanoic acid (PPHA) effluoronananoic acid (PPNA) effluoronananoic acid (PPNA) effluorocatea sulfonic acid (PPOS) effluorocatea sulfonic acid (PFOS) ef	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4	NA NA 3.96E+00 7.88E+01 NA NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA) erfluoroheptanoic acid (PFHpA) erfluoronanoic acid (PFNA) erfluoronanoic acid (PFNA) erfluorocatanoic acid (PFOA) erfluorocatanoic acid (PFOA) eropour (Baygon) ropoyl Enazyon) ropoyl Enazyon ilver erticarbioroethane, 1,1,1,2- ettarbioroethane, 1,1,1,2-	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6	NA NA 3.96E+00 7.88E+01 NA NA NA 1.32E+00	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL RSV Analyte conc. < RL	Analyte conc. < RL
enfluoroheptanoic acid (PPHpA) enfluoroheane salionic acid (PPHA) enfluoroheane salionic acid (PPNA) enfluoronanoic acid (PPNA) enfluorocotanoic acid (PPOA) enfluorocotanoic acid (PFOA) enpower (Bergon) ropower	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4	NA NA 3.96E+00 7.88E+01 NA NA NA 1.32E+00 2.38E+00	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL
erfluoroheptanoic acid (PHHA) erfluoroheane sulfonic acid (PHHA) erfluoronanoic acid (PFNA) erfluoronanoic acid (PFNA) erfluorocatane sulfonic acid (PFOS) efluorocatanoic acid (PFOA) ropour (Baygon) ropour	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0**	NA NA 3.96E+00 7.88E+01 NA NA NA 1.32E+00 2.38E+00 NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01		No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
effuoroheptanoic acid (PPHA) effuoroheane allorinic acid (PPHA) effuoronanoic acid (PPNA) effuoronanoic acid (PPNA) effuorocatane identiona acid (PPOS) effuorocataneic acid (PFOS) effuorocataneic acid (PFOA) ropoyl Benzene, n- efeenium liver effachionate, 1,1,2- etertachionate, 1,1,2- etertachionate, 1,1,2- etertachionate, 1,1,1,2- etertachionate, 1,1,1,1,2- etertachionate, 1,1,1,1,2- etertachionate, 1,1,1,1,1,2- etertachionate, 1,1,1,1,1,2- etertachionate, 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 1740-28-0**	NA NA 3.96E+00 7.88E+01 NA NA NA 1.32E+00 2.38E+00 NA NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02		No cancer RB-RSV No cancer RB-RSV Analyte conc. c. RL Analyte conc. c. RL Analyte conc. c. RL No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PHHA) erfluoroheane aufonic acid (PHHA) erfluoronanoic acid (PPHA) erfluoronanoic acid (PPNA) erfluorocatane aufonic acid (PFOS) efluorocataneic acid (PFOA) ropoxur (Baygon) ropoyi Desizee, n- eleenium liver etrachioroethane, 1,1,1,2- etrachioroethylene hallium (goluble Thallium) pluene	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 4630-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6	NA NA 3.96E+00 7.88E+01 NA NA NA 1.32E+00 2.38E+00 NA NA 6.81E-01	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02 6.21E+00		No cancer RB-RSV No cancer RB-RSV Analyte conc RL Analyte conc RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc RL No cancer RB-RSV Analyte conc RL No cancer RB-RSV Analyte conc RL	Analyte conc. < RI.
erfluoroheptanoic acid (PPHAp) erfluoroheane allorinic acid (PPHA) erfluoroheane allorinic acid (PPNA) erfluorocane allorinic acid (PPNA) erfluorocane allorinic acid (PPOS) efluorocatonic acid (PFOS) efluorocatonic acid (PFOA) ropour (Balgion)	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6 96-18-4	NA NA S.96E+00 7.88E+01 NA NA NA NA 1.32E+00 2.38E+00 NA NA NA 1.31E-03	1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02 8.67E+00		No cancer RB-RSV No cancer RB-RSV Analyte conc. c. RL Analyte conc. c. RL No cancer RB-RSV Analyte conc. c. RL	Analyte conc. < RI.
refluoroheptanoic acid (PFHpA) erfluorohema undinic acid (PFHA) erfluoronanoic acid (PFNA) erfluorocanoic acid (PFNA) erfluorocanoic acid (PFNA) erfluorocanoic acid (PFNA) erpoxur (Baypon) roppy lenzame, n- elenium liver etrachioroethane, 1,1,1,2- etrachioroethylene halitum (soluble Thallium) oluene inchioropropane, 1,2,3- irrindhylopropane, 1,2,3- irrin	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 440-28-0* 127-18-4 7440-28-0* 198-88-3 79-01-6 96-18-4 96-18-4	NA NA NA 3.96E+00 7.88E+01 NA NA 1.32E+00 2.38E+00 NA NA NA 6.81E-01 3.11E-03 NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.43E+02 2.53E+02 3.66E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02 6.21E+00 8.67E+00 2.06E+02		No cancer RB-RSV Analyte conc. <rl <rl="" analyte="" cancer="" conc.="" no="" rb-rsv="" rb-rsv<="" td=""><td>Analyte conc. < RI. Analyte conc. < RI.</td></rl>	Analyte conc. < RI.
erfluoroheştanoic acid (PPHpA) erfluorohana uldınıcı acid (PPHA) erfluorohana uldınıcı acid (PPNA) erfluorochanoic acid (PPNA) erfluorochanoic acid (PPOA) erfluorochanoic acid (PFOA) ergopur (Baypon) ropyl benzene, n- elektronic acid (PFOA) ergopur (Baypon) lektronic acid (PFOA) ergopur (Baypon) ropyl benzene, n- elektronic acid (PFOA) ertrackinorochane, 1,1,2- ertrackinorochylene ertrackinorochylene erfolkorochylene erfolkorochylene erfolkorochylene erfolkorochylene erfolkorochylene, 1,2,3- erimethylenzene, 1,2,3- erimethylenzene, 1,2,4-	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6 96-18-4 95-63-6	NA NA NA NA S.96E+00 7.88E+01 NA NA NA NA 1.32E+00 2.38E+00 NA NA 6.81E-01 3.11E-03 NA NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.43E+02 2.53E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02 6.21E+00 8.67E+00 2.06E+02 1.65E+02		No cancer RB-RSV Analyte conc. < RI. Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. R I. Analyte conc. S II.
refluoroheptanoic acid (PFHpA) erfluoroheane aufonic acid (PFHA) erfluoronanoic acid (PFNA) erfluorocane aufonic acid (PFNA) erfluorocane aufonic acid (PFOA) ropour (Baygon) ropol tearne, elenium liver etrachioroethane, 1,1,1,2- etrachioroethylene halilum (poluble Thallum) oluene richioropopane, 1,2,3- rimethylbenzene, 1,2,3- rimethylbenzene, 1,2,3- rimethylbenzene, 1,2,3- rimethylbenzene, 1,3,5-	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6 96-18-4 526-73-8 95-63-6 108-67-8	NA N	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 2.53E+02 2.37E+02 2.10E+03 1.13E+02 7.36E+02 6.21E+00 8.67E+00 2.06E+02 1.44E+02		No cancer RB-R5V No cancer RB-R5V Analyte conc. < RI. Analyte conc. < RI. No cancer RB-R5V	Analyte conc. Rt. Analyte conc. St.
erfluoroheptanoic acid (PPHA) erfluoroheane sulfonic acid (PPHA) erfluoronanoic acid (PPNA) erfluorocatane sidionic acid (PPNA) erfluorocatane sidionic acid (PPOS) efluorocatanoic acid (PPOS) effluorocatanoic acid (PPOS) effluoro	355.46.4 375.95.1 375.95.1 335.67.1 114.26.1 103.65.1 7782.49.2 630.20.6 127.18.4 7440.28.0** 108.88.3 79.01.6 96.18.4 95.63.6 108.67.8 95.63.6 108.67.8	NA NA NA NA S.96E+00 7.88E+01 NA NA NA NA 1.32E+00 2.38E+00 NA NA 6.81E-01 3.11E-03 NA	1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 2.53E+02 2.37E+02 2.10E+03 1.13E+02 7.33E-01 7.06E+02 6.21E+00 8.67E+00 2.06E+02 1.44E+02 3.49E+01		No cancer RB-RSV Analyte conc. < RI. Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV No cance	Analyte conc. e Rt. Analyte conc. s Rt.
enfluorohestanoic acid (PFHA) enfluoroheane sulfonic acid (PFHA) enfluoroheane sulfonic acid (PFNA) enfluoronanoic acid (PFNA) enfluorocatane sulfonic acid (PFOS) enfluorocatane sulfonic acid (PFOA) roppy learnee, n- sleenium lever strachioroethane, 1,1,1,2- etrachioroethylene lanillum (soluble Thallium) pluene chioropropane, 1,2,3- innethylenenene, 1,2,3- innethylenenene, 1,2,4- innethylenenene, 1,3,5- inintrotloure, 2,4,6-(INIT) ranium (soluble salts)	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0" 108-88-3 79-91-6 96-18-4 95-63-6 108-67-8 118-96-7 NA	NA N	1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 3.66E-02 2.37E-02 2.10E-03 1.13E-02 6.21E-00 6.21E-00 2.06E-02 1.66E-02 1.66E-02 1.44E-02 3.49E-01 4.40E-01		No cancer RB-R5V Analyte conc. < RI. Analyte conc. < RI. Analyte conc. < RI. No cancer RB-R5V	Analyteconc. Rt. Analyt
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erfluoroheptanoic acid (PPHA) erfluoroheane sulfonic acid (PPHA) erfluoronanoic acid (PPNA) erfluoronanoic acid (PPNA) erfluorocatane sidonic acid (PPSO) efluoroocatanic acid (PPSO) effluoroocatanic ac	355.46.4 375.93.1 1763-23-1 335-67-1 114-26-1 103-65-1 103-65-1 7782-49-2 7440-22-4 450-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6 96-18-4 526-73-8 95-63-6 108-67-8 118-96-7 NA 740-62-2 75-01-4 1330-20-7	NA NA 3.96±00 7.88±01 NA NA NA NA NA 1.32±00 NA	1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.43E-02 2.53E-02 3.66E-02 2.37E-02 2.10E-03 1.13E-02 7.33E-01 7.06E-02 1.66E-02 1.66E-02 1.66E-02 1.44E-02 3.49E-01 4.40E-01 4.77E-00 8.51E-01		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. e.R.
erfluoroheptanoic acid (PHHA) erfluoroheane uniforia caid (PHHA) erfluoronanoic acid (PFNA) erfluoronanoic acid (PFNA) erfluorocatane uniforia caid (PFNA) erfluorocatane uniforia caid (PFOA) ropour Basgon) ropol beziene, n- elenium liver etrachioroethane, 1,1,1,2- etrachioroethylene habilium (goluble Thallium) oluene richioropopane, 1,2,3- rimethylenzene, 1,2,3- rimethylenzene, 1,2,4- rimethylenzene, 1,2,3- rimitrotoluene, 2,4,6-(TNT) ranium (goluble aits) anadium ing chloride ylenes inc	355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 580-20-6 127-38-4 7440-28-0** 1108-88-3 79-01-6 9-618-4 56-73-8 9-618-4 108-67-8	NA NA 3.96E+00 7.88E+01 7.88E+01 NA NA NA NA NA NA 1.32E+00 NA	1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 3.66E-02 2.37E-02 2.10E-03 1.13E-02 7.38E-01 7.06E-02 2.0E-03 1.44E-02 1.66E-02 1.44E-02 2.47E-00 8.57E-00 8.57E-00 8.57E-00 8.57E-00 8.57E-00 8.57E-00 8.57E-00		No cancer RB-R5V Analyte conc. < RI. Analyte conc. < RI. No cancer RB-R5V Analyte conc. < RI. No cancer RB-R5V	Analyteconc. R. Analyteconc. R
erfluoroheptanoic acid (PPHA) erfluoroheane sulfonic acid (PPHA) erfluoronanoic acid (PPNA) erfluorocatane sidionic acid (PPNA) erfluorocatane sidionic acid (PPOS) effluorocatane sidionic acid (PFOS) effluoroca	355-46-4 375-95-1 1763-23-1 335-67-1 1144-61 103-65-1 1782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0 108-88-3 79-01-6 95-18-4 526-73-8 108-67-8 10	NA NA 3.96±00 7.88±01 NA NA NA NA 1.32±00 NA	1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.43E-02 2.53E-02 2.53E-02 2.10E-03 1.13E-02 7.33E-01 7.06E-02 6.21E-00 8.67E-00 2.06E-02 1.66E-02 1.66E-02 3.49E-01 2.77E-00 8.53E-01 2.77E-00 8.53E-01 2.77E-00 8.53E-01 2.77E-00 8.53E-01 2.77E-00 8.53E-01 2.77E-00 2.52E-02 2.52E-02 2.52E-02 2.52E-02 2.52E-02 2.52E-02		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. e.R.

					Calculated	Calculated
nalyte	CASRN		bRB-RSV _n	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Sample HQ (unitless)
	1746-01-6*	*RB-RSV _{cs} (mg/kg)	(mg/kg) 4.91E-05	(mg/kg)		
3,7,8-TCDD TEQ ^c aP-TE ^d	1/46-01-6	2.25E-06 7.28E-02	4.91E-05 NA		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL No noncancer RB-R
enzo(a)pyrene"	50-32-8	NA NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RI
cetochlor	34256-82-1	NA NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RI
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RI
Jachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RI
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RI
luminum	7429-90-5	NA NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
intimony	7440-36-0	NA NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1 16F+02	7 90F+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utvibenzene. n-	1089-84-5	2.69E+00	3.50F+03		No cancer RR-RSV	Analyte conc. < Rt
utylbenzene, n- utylbenzene, sec-	135-98-8	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
utylbenzene, sec- utylbenzene, tert-	98-06-6	NA NA	7.01E+03 7.01E+03		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
utyibenzene, tert- admium (food)	7440-43-9	7.56E+02	7.01E+03 6.86E+00		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
libromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Ochloropropane. 1.2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	3.00E-01	No cancer RB-RSV	1.30E-04
luorene	86-73-7	NA NA	2.30E+03		No cancer RB-RSV	Analyte conc. < RL
lexachlorobenzene	118-74-1	1.31F-01	5.61F+01		Analyte conc. < RL	Analyte conc. < RI
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
Hydrogen cyanide	74-90-8	NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
ron	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
Aanganese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
Mercury (elemental)	7439-97-6	NA NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
Methyl ethyl ketone	78-93-3	NA NA	1.70E+04			
	1634-04-4	NA NA	6.49E+02		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
fethyl tert-butyl ether (MTBE)						Analyte conc. < RL
		NA NA			No cancer RB-RSV	
	7439-98-7		3.66E+02			Analyte conc. < RL
laphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
laphthalene lickel	91-20-3 7440-02-0	2.72E+00 5.23E+03	2.24E+02 9.40E+02		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
laphthalene lickel HMX)	91-20-3 7440-02-0 2691-41-0	2.72E+00 5.23E+03 NA	2.24E+02 9.40E+02 3.70E+03		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
laphthalene lickel HMX) entachlorophenol	91-20-3 7440-02-0 2691-41-0 87-86-5	2.72E+00 5.23E+03 NA 4.84E-01	2.24E+02 9.40E+02 3.70E+03 2.37E+02		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
aphthalene lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
aphthalene lickel html html entachlorophenol entachloritot tetranitrate (PETN) erchlorate	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
laphthalene lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
aphthalene lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
aphthalene lickel lickel lickel entacklorophenol entacythritol tetranitrate (PETN) erchlorate erfluoroheptanolc acid (PFHpA) effluoroheptanolc acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9	2.72E+00 5.23E+03 NA 4.84E-01 NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene icitel HMX) entrachirophenol entracythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA) effluoroheptanoic acid (PFHpA) effluoroheptanoic acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene ickel intMO intMO intMO intAMO in	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene icitel Intity Int	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00		Analyte conc. c RL No cancer RB-RSV Analyte conc. c RL No cancer RB-RSV Analyte conc. c RL	Analyte conc. < RL
laphthalene licited whtxX) entachlorophenol entachytritol tetranitrate (PETN) erchlorate enfluoroheptanoic acid (PFHpA) enfluoroheptanoic acid (PFHpA) enfluoroheptanoic acid (PFHA) enfluoronanoic acid (PFNA) enfluorocatone ixidinoic acid (PFOS) elluorocatonic acid (PFOS) elluorocatonic acid (PFOS)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02		Analyte cone. c. RL No cancer RB-RSV Analyte cone. c. RL No cancer RB-RSV Analyte cone. c. RL Analyte cone. c. RL	Analyte conc. < RI.
laphthalene licitel entacythritot tetranitrate (PETN) erchlorate entacythritot tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA) erfluoroheptanoic acid (PFHA) erfluoroncannoic acid (PFHA) roposur (Baygon) roposur (Baygon)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02		Analyte cone. c RL No cancer RB-RSV Analyte cone. c RL No cancer RB-RSV Analyte cone. c RL Analyte cone. c RL No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RR
laphthalene licited entachlorophenol entachythritol tetranitrate (PETN) erchlorate enfluoroheptanoic acid (PFHpA) enfluoroheptanoic acid (PFHpA) enfluoroheptanoic acid (PFHA) enfluorochane jatolinic acid (PFNA) enfluorochane jatolinic acid (PFOS) efluorocotanoic acid (PFOA) ropour (Baypon) ropour (Baypon) ropour (Baypon) ropour (Baypon) ropour (Baypon)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 1335-67-1 114-26-1 103-65-1 7782-49-2	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.43E+02 3.66E+02		Analyte cone. c RL No cancer RB-RSV Analyte cone. c RL No cancer RB-RSV	Analyte conc. < RL
laphthalee licitel entachiorphenol entachorphenol entachorphenol entachorphenol entachorphenol entachorphenol entachorphenol enforchorphenol e	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4	2.72E400 5.23E+03 NA 4.84E-01 NA	2.24E-02 9.40E+02 3.70E+03 2.37E-02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.33E+02 2.33E-02 2.33E-02 2.33E-02 2.37E-02		Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. < RL
isphthalene licited whth licite	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 740-02-4 630-20-6	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 3.70E+03 2.37E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.37E+02		Analyte conc. < Rt. No cancer Re-RS-V Analyte conc. < Rt. No cancer RB-RS-V Analyte conc. < Rt. No cancer RB-RS-V No can	Analyte conc. e Rt.
aphthalene lickel Intitle In	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 127-18-4	2.72E-00 5.23E+03 NA 4.84E-01 NA	2.24E-02 9.40E+02 3.70E+03 3.77E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 2.53E+02 2.37E+02 2.10E+03 1.13E+02 1.13E+02		Analyte conc. < RI. No cancer RH-RVO Analyte conc. < RI. No cancer RH-RVO Analyte conc. < RI.	Analyte cone. Re. Analyte cone. See
aphthalmen (cicle Intito) (cicle Int	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-26-6 127-18-4 7440-28-0**	2.72E+00 5.23E+03 NA 4.84E-01 NA 1.32E+00 2.38E+01 NA	2,24E-02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02 2.37E+02 2.10E+03 1.13E+02 2.37E+02 2.3		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. c. Rt.
alphthalene licitel entachiorophenol entachythritol tetranitrate (PETN) erchlorate enfluoroheptanolic acid (PPHpA) erfluoronotianos acid (PPHpA) erfluoronotianos acid (PPHA) liver ettrachioronothyme pallium (polube Thallium) olune	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 147977-3-0 375-83-9 355-46-4 375-95-1 1763-23-1 335-67-1 103-65-1 7782-49-2 7440-22-4 4630-20-6 127-18-4 7440-28-0 108-88-3	2.72E+00 5.23E+03 NA 4.84E+01 NA	2 24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.23E-02 2.35E-		Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS NO caneer R	Analyte conc. e.R.
aphthalene lickel stack of the standard of th	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 133-67-1 103-65-1 7782-49-2 40-02-4 630-02-6 127-18-4 7440-28-0** 108-88-3 79-01-6	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2,24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 5.13E-01 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-02 2.38E-02 3.66E-02 2.37E-02 2.37E-02 2.10E-03 1.13E-02 7.33E-01 7.06E-02 6.21E-00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. «R. Analyte conc
aphthalene lickel ethatic lickel ethatic lickel ethatic eth	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 103-65-1 7782-49-2 7440-22-0 108-88-3 79-01-6 96-18-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA 1.36E+00 NA	2 24E-02 9 40E-02 3 70E-03 2 37E-02 1 22E-02 1 12E-02 1 12E-00 1 22E-00 1 22E-00 2 35E-02 2 35E-02 2 35E-02 2 35E-02 2 35E-02 2 35E-02 3 36E-02 2 35E-02 3 36E-02 4 36E-		Analyte conc. < RI. No caneer RIH-RVY Analyte conc. < RI. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII.	Analyte conc. e.R.
aphthalene icited intMO entacythritol tetranitrate (PETN) erchlorate enfluoroheptanoic acid (PFHA) enfluoroheptanoic acid (PFHA) enfluoroheptanoic acid (PFHA) enfluoronanoic acid (PFNA) enfluorocatanoic acid (PFNA) enfluorocatanoic acid (PFOS) enfluorocatanoic acid (PFOS) enfluorocatanoic acid (PFOA) ropoxur (Baygon) ropoy Ibarane, n- eleenium liver etrachioroethane, 1,1,1,2- etrachioroethylene hallium (goluble Thallium) pluene chichocognylene irichioropropane, 1,2,3- irinethylenzene, 1,2,3-	91.20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6 108-88-3 79-01-6 9-6-18-4 9-6-18-6	2.72E+00 5.23E+03 NA 4.84E-01 NA	2 245-02 9.405-02 3.705-03 2.375-02 1.225-02 5.335-01 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 2.435-02 2.535-		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. «R. Analyte conc
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ispithalene licited entantialene licited entantialene licited entantialene entantia	91:20-3 7440:02.0 2691:41:0 87:85-7 78:11-5 14797-73:0 375:85-9 355:46-4 375:95-1 1762:23-1 135:67-1 1142:63-1 103:65-1 7782:49-2 7440:22-4 630:20-6 127:18-4 240:28-0 108:88-3 79:01-6 9:518-4 52:67-38 95:63-6	2.72E+00 5.23E+03 NA 4.84E+01 NA 1.35E+00 NA	2.24-02 9.405-02 3.705-03 2.37-602 1.22-602 5.13-601 1.22-600 2.37-602 2.37-602 2.37-602 2.37-602 2.37-602 2.37-602 2.37-602 2.38-602 1.38-60		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer RH-R	Analyte conc. e. R.
aphthalene lickel whtky entacythritol tetranitrate (PETN) erchlorate enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFNS) enfluoronanolic acid (PFNS) enfluorocatanolic acid (PFNS) enfluorocatanolic acid (PFNS) enfluorocatanolic acid (PFOS) elluorocatanolic acid (PFNS) elluorocat	91:20-3 7440:02.0 2691:41:0 87:86-5 78:11-5 1499:73-0 375:46-4 375:45-1 1763:23-1 35:46-4 375:95-1 103:65-1 1782:49-2 7440:22-4 580:20-6 127:18-4 7440:28-0 108:88-3 95:63-6	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24-02 9.405-03 3.705-03 3.705-03 1.225-02 1.225-02 1.225-03 1.22		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer RH-R	Analyte conc. «R. Analyte conc
aphthalene icited with the control of the control o	91:20-1 74:40-22-0 2691:41-0 2691:41-0 2691:41-0 2791:41-0 375:45-9 375:45-	2.72E-00 2.72E-00 5.28E-00 NA	2.24-02 9.406-02 3.706-03 1.706-03 1.224-02 5.118-01 1.224-02 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 2.434-02 2.434-02 2.434-02 2.434-02 2.434-02 2.534-02 2.106-03 1.134-02 1.134-02 1.134-02 1.134-03 1.13		Analyte conc. < RI. No cancer RE-REV Analyte conc. < RI. No cancer RE-REV	Analyte conc. e. R.
aphthalene lickel whtky entacythritol tetranitrate (PETN) esthorate enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFHA) enfluorohanea usidionic acid (PFNA) enfluoronanolic acid (PFNA) enfluorocatanolic acid (PFNA) enfluorocatanolic acid (PFNA) enfluorocatanolic acid (PFNA) roppy benzene, n. elevium lever etrachlorotetyheine trachlorotetyheine trachlorotetyheine enfluorosana, 1,2,3- rimetyhebenzene, 1,2,3- rimetyhebenzene, 1,2,4- rimetyhebenzene, 1,3,5- rimitotylouenzene, 1,3,5- rimitotylouenzene, 1,3,5- rimitotylouenzene, 1,3,6- rimitotylouenzene, 1,3,5- rimitotylouenzene, 1,3,5- rimitotylouenzene, 1,3,6- rimitotylouenzene, 1,4- rimitotylouenzene, 1,4- rimitotylouenzen	91:20-1 7440020. 2691-41:0 2691-41:0 87-86-5 78-11-5 14797-72-0 375-85-9 37	2.725-00 2.725-00 5.235-03 NA NA 4.845-01 NA NA NA NA NA NA NA NA 3.965-00 NA	2.24±02 9.40±02 1.70±03 1.70±03 1.22±02 1.22±02 1.22±00 1.2		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer R	Analyte conc. e. R.
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aphthalme lickel thtX) entacythritol tetranitrate (PETN) enthacythritol tetranitrate (PETN) enthurcheaptanolic acid (PFHpA) enthurcheaptanolic acid (PFHpA) enthurcheaptanolic acid (PFNS) elhurcheaptanolic acid (PFNS) elhurcheaptanolic acid (PFOS) elhurcheaptanolic acid (PFNS) elhurcheaptanolic	91:20-1 7440020. 2691-41:0 2691-41:0 8786-5 78-11-5 14797-72-0 375-85-9 375-9	2.725-00 2.725-00 5.235-03 NA	2.24-02 9.400-03 3.700-03 3.700-03 1.226-02 1.226-02 1.226-00 1.22		Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY NO caneer RH-R	Analyte conc. e. R. Analyt
isiphthalene licited whthicy entacyling phenol entacytritol tetranitrate (PETN) erchlorate enfluoroheptanoic acid (PFHpA) enfluoroheptanoic acid (PFHA) enfluoroheptanoic acid (PFHA) enfluoroheptanoic acid (PFNA) enfluorocotanoic acid (PFNA) enfluorocotanoic acid (PFNA) enfluorocotanoic acid (PFNA) enfluorocotanoic acid (PFNA) ropour (Baygon) ropol (PENA) enfluorocotanoic acid (PFNA) enfluorocotanoic acid (PFNA) enfluorocotanoic acid (PFNA) elevation acid (PF	91:20-1 7440020 759141	2.72E+00 2.72E+03 NA	2.24±02 9.40€02 1.70€03 1.70€03 1.70€03 1.22±00 1.22±0		Analyte conc. < RI. No cancer RE-REV Analyte conc. < RI. No cancer RE-REV No cancer RE-RE-REV No cancer RE-REV	Analyte conc. «R. Analyte conc
Kohydonum Japhthal ene lickel	91:20-1 7440020. 2691-41-0 2691-41-0 2691-41-0 2791-41-0	2.72±00 2.72±00 5.23±03 NA NA 4.84±01 NA	2.24-02 9.406-02 3.706-03 3.706-03 1.276-02 1.22		Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY NO caneer RH-R	Analyte conc. e. R. Analyt

nalyte	CASRN 4	'RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3.7.8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(1116/116/	Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d	-	7.28E-02	NA NA		Analyte conc. < RL	No noncancer RB-RS
nzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
tal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
etochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
etone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
achlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
drin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
uminum	7429-90-5 7440-36-0	NA NA	7.25E+04 2.60E+01		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
ntimony arlum	7440-36-0	NA NA	1.12F+04		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
ervilium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2 75-15-0	3.17E+02 NA	6.08E+03 6.08E+02		Analyte conc. < RL	Analyte conc. < RL
erbon Disulfide					No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride nlorobenzene	56-23-5 108-90-7	3.72E-01 NA	1.30E+02 4.14E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
nromenzene nromium (III) (insoluble salts)	16065-83-1	NA NA	4.14E+02 4.02E+04		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
nromium (III) (insoluble saits)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
bromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
chloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
chloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
ichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
ioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4 206-44-0	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
uoranthene	86-73-7	NA NA	2.30E+03 2.30E+03	1.50E-01 8.70E-03	No cancer RB-RSV	6.52E-05 3.78E-06
uorene exachlorobenzene	118-74-1	1.31E-01	5.61E+01	8.7UE-U3	No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL
exactnorobenzene exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
ydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
on .	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene)	98-82-8	NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
langanese (non-diet)	7439-96-5	NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
lercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
lethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
ethyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
olybdenum	7439-98-7	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
ickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
IMX)	2691-41-0	NA 4.84E-01	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5 78-11-5	4.84E-01 NA	2.37E+02 1.22E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
entaerythritol tetranitrate (PETN) erchlorate	78-11-5 14797-73-0	NA NA	1.22E+02 5.13E+01	+	No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erchiorate erfluoroheptanoic acid (PFHpA)	375-85-9	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erfluoroneptanoic acid (PFHpA)	355-46-4	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorononanoic acid (PFNA)	375-95-1	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
ropoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
lver	7440-22-4	NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
trachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RL
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL
nallium (soluble Thallium) Dluene	7440-28-0** 108-88-3	NA NA	7.33E-01 7.06E+02		No cancer RB-RSV	Analyte conc. < RL
luene ichloroethylene	108-88-3 79-01-6	NA 6.81E-01	7.06E+02 6.21E+00		No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
	79-01-6 96-18-4	6.81E-01 3.11E-03	6.21E+00 8.67E+00			
ichloropropane, 1,2,3- imethylbenzene, 1,2,3-	96-18-4 526-73-8	3.11E-03 NA	8.67E+00 2.06E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
imethylbenzene, 1,2,3- imethylbenzene, 1,2,4-	95-63-6	NA NA	2.06E+02 1.66E+02		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
imethylbenzene, 1,2,4- imethylbenzene, 1,3,5-	108-67-8	NA NA	1.66E+02 1.44E+02		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
initrotoluene 2 4 6-(TNT)	118-96-7	1.15F+01	3.49F+01		Analyte conc. < RI	Analyte conc. < RI
ranium (soluble salts)	NA	NA NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
anadium	7440-62-2	NA NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
nyl chloride	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	Analyte conc. < RL
nyi chioride						
lenes	1330-20-7	NA	2.52E+02		No cancer RB-RSV	Analyte conc. < RL
lenes nc	7440-66-6	NA NA	2.52E+02 2.20E+04		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
lenes	7440-66-6 E Appendix E, Table 1.	NA	2.20E+04			

	CASRN		bRB-RSV _n	Sample Concentration	Calculated Sample	Calculated Sample
.3.7.8-TCDD TEQ ^c	1746-01-6*	*RB-RSV _{ca} (mg/kg) 2.25E-06	(mg/kg) 4.91E-05	(mg/kg)	ILCR (unitless)	HQ (unitless)
3,7,8-1CDD TEQ aP-TE ^d	1/46-01-6	7.28E-02	4.91E-05 NA		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL No noncancer RB-RS
enzo(a)pyrene"	50-32-8	7.28L-02 NA	1.72F+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2 10F+00		Analyte conc. < RL	Analyte conc. < RL
uminum	7429-90-5	2.02E-02 NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-38-0	NA NA	1.12F+04		No cancer RB-RSV	
	17804-35-2	1.16E+02	7.90E+02			Analyte conc. < RL
enomyl	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
enzene					Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02 NA	3.45E+01 2.80E+03		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether						Analyte conc. < RL
oron	7440-42-8 15541-45-4	NA 5.36E-01	1.47E+04 2.93E+02		No cancer RB-RSV	Analyte conc. < RL
romate					Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40F+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
ichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
loxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	3.68E+00	2.30E+03	4.20E-02	No cancer RB-RSV	1.83E-05
	86-73-7	NA NA	2.30E+03	4.20E-02		
luorene					No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene	118-74-1	1.31E-01	5.61E+01		Analyte conc. < RL	Analyte conc. < RL
exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
ydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
on	7439-89-6		5.13E+04		No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene)	98-82-8	NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
langanese (non-diet)	7439-96-5	NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
lercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
lethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
lethyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
lolybdenum	7439-98-7	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
ickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
HMX)	2691-41-0	NA	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
erchlorate	14797-73-0	NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA)	375-85-9	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorohexane sulfonic acid (PFHxS)	355-46-4	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorononanoic acid (PFNA)	375-95-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
ropoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
lver	7440-22-4	NA NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RL
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL
hallium (soluble Thallium)	7440-28-0**	2.38E+00	7.33E-01		No cancer RB-RSV	Analyte conc. < RL
oluene	108-88-3	NA NA	7.06E+02		No cancer RB-RSV	Analyte conc. < RL
richloroethylene	79-01-6	6.81E-01	6.21E+00		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
richloropropane, 1,2,3-	96-18-4	3.11E-03	8.67E+00		Analyte conc. < RL	Analyte conc. < RL
imethylbenzene, 1,2,3-	526-73-8	NA	2.06E+02		No cancer RB-RSV	Analyte conc. < RL
imethylbenzene, 1,2,4-	95-63-6	NA	1.66E+02		No cancer RB-RSV	Analyte conc. < RL
rimethylbenzene, 1,3,5-	108-67-8	NA	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
rinitrotoluene, 2,4,6-(TNT)	118-96-7	1.15E+01	3.49E+01		Analyte conc. < RL	Analyte conc. < RL
ranium (soluble salts)	NA NA	NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
anadium	7440-62-2	NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	Analyte conc. < RL
nyl chloride						
	1330-20-7	NA	2.52E+02		No cancer RB-RSV	Analyte conc. < RL
nyl chloride rlenes nc	1330-20-7 7440-66-6	NA NA	2.52E+02 2.20E+04		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
nyl chloride rlenes	1330-20-7 7440-66-6 E Appendix E. Table 1.	NA	2.20E+04			

Analyte	CASRN	*RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05		Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-R
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1 15972-60-8	NA NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
achlor drin	309-00-2	2.02E-02	6.08E+01 2.10E+00		No cancer RB-RSV	Analyte conc. < RL
uminum	7429-90-5	2.02E-02 NA	7.25E+04		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
ntimony	7429-90-5	NA NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1 16F+02	7 90F+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
nromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
ichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
loxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	5.10E-02	No cancer RB-RSV	2.22E-05
luorene	86-73-7 118-74-1	NA 1.31F-01	2.30E+03 5.61E+01		No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
ydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
on	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
fanganese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
fercury (elemental)	7439-97-6	NA NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
lethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
lethyl tert-butyl ether (MTBE)	1634-04-4	NA NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
olybdenum	7439-98-7	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
ickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
HMX)	2691-41-0	NA	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
erchlorate	14797-73-0	NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA)	375-85-9	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorohexane sulfonic acid (PFHxS)	355-46-4	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorononanoic acid (PFNA)	375-95-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
ropoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RI
lver	7440-22-4	NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RI
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RI
nallium (soluble Thallium)	7440-28-0**	NA NA	7.33E-01		No cancer RB-RSV	Analyte conc. < RI
luene	108-88-3	NA	7.06E+02		No cancer RB-RSV	Analyte conc. < RI
ichloroethylene	79-01-6	6.81E-01	6.21E+00		Analyte conc. < RL	Analyte conc. < RI
ichloropropane, 1,2,3-	96-18-4	3.11E-03	8.67E+00		Analyte conc. < RL	Analyte conc. < RI
imethylbenzene, 1,2,3-	526-73-8	NA	2.06E+02		No cancer RB-RSV	Analyte conc. < RL
rimethylbenzene, 1,2,4-	95-63-6	NA	1.66E+02		No cancer RB-RSV	Analyte conc. < RL
rimethylbenzene, 1,3,5-	108-67-8	NA NA	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
rinitrotoluene, 2,4,6- (TNT)	118-96-7	1.15E+01	3.49E+01		Analyte conc. < RL	Analyte conc. < RL
	NA	NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
ranium (soluble salts)		NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
ranium (soluble salts) anadium	7440-62-2					
ranium (soluble salts) anadium nyl chloride	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	
ranium (soluble salts) anadium inyl chloride ylenes	75-01-4 1330-20-7	9.83E-02 NA	2.52E+02		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
ranium (soluble salts) anadium inyl chloride ylenes nc	75-01-4 1330-20-7 7440-66-6	9.83E-02			No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
ranium (soluble salts) anadium nyl chloride ylenes	75-01-4 1330-20-7 7440-66-6 E Appendix E, Table 1.	9.83E-02 NA NA	2.52E+02 2.20E+04		No cancer RB-RSV	Analyte conc. < RL

nalyte	CASRN 4	'RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3.7.8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(1116/116/	Analyte conc. < RL	Analyte conc. < RL
P-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
ital PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
achlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
drin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
uminum	7429-90-5 7440-36-0	NA NA	7.25E+04 2.60E+01		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
arium	7440-38-0	NA NA	1.12F+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
ervilium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
s(2-chloro-1-methyl ethyl)ether	108-60-1	NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2 75-15-0	3.17E+02 NA	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0 56-23-5	NA 3.72E-01	6.08E+02 1.30E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride nlorobenzene	56-23-5 108-90-7	3.72E-01 NA	1.30E+02 4.14F+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
nromium (III) (insoluble salts)	16065-83-1	NA NA	4.14E+02 4.02E+04		No cancer RB-RSV	Analyte conc. < RL
nromium (III) (Insoluble salts)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
(2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
bromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
bromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
chloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
chloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
oxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
hylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
uoranthene	206-44-0	NA	2.30E+03	1.40E-02	No cancer RB-RSV	6.08E-06
uorene	86-73-7	NA	2.30E+03		No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene	118-74-1	1.31E-01	5.61E+01		Analyte conc. < RL	Analyte conc. < RL
exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4 74-90-8	4.60E+00 NA	2.90E+02 4.91E+01		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
ydrogen cyanide on	7439-89-6	NA NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene)	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
langanese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
ercury (elemental)	7439-97-6	NA NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
lethyl ethyl ketone	78-93-3	NA NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
ethyl tert-butyl ether (MTBE)	1634-04-4	NA NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
olybdenum	7439-98-7	NA NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
ickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
IMX)	2691-41-0	NA	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
erchlorate	14797-73-0	NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA)	375-85-9	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA)	355-46-4 375-95-1	NA NA	1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
erfluorononanoic acid (PFNA) erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00 1.22E+00		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
opoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
oppl benzene, n-	103-65-1	NA NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
lver	7440-22-4	NA NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RL
trachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL
nallium (soluble Thallium)	7440-28-0**	NA	7.33E-01		No cancer RB-RSV	Analyte conc. < RL
oluene	108-88-3	NA	7.06E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene	79-01-6	6.81E-01	6.21E+00		Analyte conc. < RL	Analyte conc. < RL
ichloropropane, 1,2,3-	96-18-4	3.11E-03	8.67E+00		Analyte conc. < RL	Analyte conc. < RL
imethylbenzene, 1,2,3-	526-73-8	NA	2.06E+02		No cancer RB-RSV	Analyte conc. < RL
imethylbenzene, 1,2,4-	95-63-6	NA	1.66E+02		No cancer RB-RSV	Analyte conc. < RL
imethylbenzene, 1,3,5-	108-67-8	NA	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
initrotoluene, 2,4,6-(TNT)	118-96-7	1.15E+01	3.49E+01		Analyte conc. < RL	Analyte conc. < RL
ranium (soluble salts)	NA NA	NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
anadium	7440-62-2	NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	Analyte conc. < RL
nyl chloride			0.50			
nyl chloride Ienes	1330-20-7	NA	2.52E+02		No cancer RB-RSV	Analyte conc. < RL
	1330-20-7 7440-66-6		2.52E+02 2.20E+04		No cancer RB-RSV No cancer RB-RSV Sample	Analyte conc. < RL Analyte conc. < RL Sample

					Calculated	Calculated
			bRB-RSV _n	Sample Concentration	Sample	Sample
nalyte	CASRN	*RB-RSV _{ca} (mg/kg)	(mg/kg)	(mg/kg)	ILCR (unitless)	HQ (unitless)
3,7,8-TCDD TEQ ^c aP-TE ^d	1746-01-6*	2.25E-06 7.28E-02	4.91E-05 NA		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL No noncancer RB-RS
enzo(a)pyrene"	50-32-8	7.28E-02	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2 7440-41-7	6.98E-01 5.67E+02	1.11E+02 3.45E+01		Analyte conc. < RL	Analyte conc. < RL
eryllium is(2-chloro-1-methyl ethyl)ether	108-60-1	5.67E+02 NA	2.80E+03		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
oron	7440-42-8	NA NA	1 47F+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA 0.005.03	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI) obalt	18540-29-9 7440-48-4	9.06E-02 1.51E+02	1.16E+02 2.19E+01		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
opait	7440-48-4	1.51E+02 NA	2.19E+01 1.04E+04		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
bromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
ichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
lioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	2.00E-02	No cancer RB-RSV	8.69E-06
luorene	86-73-7	NA	2.30E+03		No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene	118-74-1	1.31E-01	5.61E+01		Analyte conc. < RL	Analyte conc. < RL
exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4 74-90-8	4.60E+00 NA	2.90E+02 4.91E+01		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
ydrogen cyanide on	7439-89-6	NA NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
fanganese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
fercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
fethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
fethyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
folybdenum	7439-98-7	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
lickel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
HMX)	2691-41-0	NA	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
erchlorate erfluoroheotanoic acid (PFHpA)	14797-73-0	NA NA	5.13E+01 1.22E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
	375-85-9 355-46-4	NA NA	1.22E+00 1.22E+00			Analyte conc. < RL
erfluorohexane sulfonic acid (PFHxS) erfluorononanoic acid (PFNA)	355-46-4 375-95-1	NA NA	1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
ropoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
llver	7440-22-4	NA NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RL
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL
hallium (soluble Thallium)	7440-28-0**	NA	7.33E-01		No cancer RB-RSV	Analyte conc. < RL
oluene	108-88-3	NA	7.06E+02		No cancer RB-RSV	Analyte conc. < RL
richloroethylene	79-01-6	6.81E-01	6.21E+00		Analyte conc. < RL	Analyte conc. < RL
richloropropane, 1,2,3-	96-18-4	3.11E-03	8.67E+00		Analyte conc. < RL	Analyte conc. < RL
rimethylbenzene, 1,2,3-	526-73-8	NA	2.06E+02		No cancer RB-RSV	Analyte conc. < RL
rimethylbenzene, 1,2,4-	95-63-6	NA NA	1.66E+02		No cancer RB-RSV	Analyte conc. < RL
rimethylbenzene, 1,3,5-	108-67-8	NA .	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
rinitrotoluene, 2,4,6-(TNT)	118-96-7	1.15E+01	3.49E+01		Analyte conc. < RL	Analyte conc. < RL
ranium (soluble salts)	NA 7440.62.2	NA NA	4.40E+01 2.77E+00		No cancer RB-RSV	Analyte conc. < RL
anadium loud chlorido	7440-62-2 75-01-4	NA 9.83F-02	2.77E+00 8.51E+01		No cancer RB-RSV	Analyte conc. < RL
inyl chloride ylenes	75-01-4 1330-20-7	9.83E-02 NA	8.51E+01 2.52E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
		NA NA	2.52E+02 2.20E+04		No cancer RB-RSV	Analyte conc. < RL
inc						
	7440-66-6 F Annendix F. Table 1	NA	2.20E+04			
Zinc 1. RB-RSV _{cs} corresponds to a one-in-one million ILCR. See IRUL b. RB-RSV _n corresponds to a HQ of 1 based on Hypothetical Yo	E Appendix E, Table 1.				Sample Cumulative ILCR:	Sample HI:

inalyte	CASRN	ann neu (m (h)	bRB-RSV _n	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	^a RB-RSV _{cs} (mg/kg) 2.25E-06	(mg/kg) 4.91E-05	(mg/ kg)	Analyte conc. < RL	Analyte conc. < RL
9P-TE ^d	1/40-01-0	7.28E-02	4.91E-05 NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RI
lachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RI
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utvlbenzene. n-	104-51-8	NA NA	3.50F+03		No cancer RR-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec- utylbenzene, tert-	98-06-6	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	3.17E+02 NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	3.72E-01 NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
thromium (III) (insoluble salts)	16065-83-1	NA NA	4.14E+02 4.02F+04		No cancer RB-RSV	Analyte conc. < Rt
hromium (III) (insoluble saits)	18540-29-9	9.06E-02	4.02E+04 1.16E+02		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
hromium (VI) obalt	7440-48-4	9.06E-02 1.51E+02	1.16E+02 2.19E+01		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
	7440-48-4	1.51E+02 NA	2.19E+01 1.04E+04		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
opper	117-81-7	1.98E+01	1.04E+04 1.22E+03		Analyte conc. < RL	Analyte conc. < RL
i (2-ethylhexyl) phthalate						
Ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
Ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Dichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	7.40E-02	No cancer RB-RSV	3.22E-05
luorene	86-73-7	NA	2.30E+03		No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene	118-74-1	1.31E-01	5.61E+01		Analyte conc. < RL	Analyte conc. < RL
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
lydrogen cyanide	74-90-8 7439-89-6	NA NA	4.91E+01 5.13E+04		No cancer RB-RSV	Analyte conc. < RL
ron					No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)	98-82-8	NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
Manganese (non-diet)	7439-96-5	NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
Mercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
Methyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
Methyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
Molybdenum	7439-98-7				No cancer RB-RSV	
and about an a		NA	3.66E+02			Analyte conc. < RL
	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
lickel	7440-02-0	2.72E+00 5.23E+03	2.24E+02 9.40E+02		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
HMX)	7440-02-0 2691-41-0	2.72E+00 5.23E+03 NA	2.24E+02 9.40E+02 3.70E+03		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
lickel HMX) entachlorophenol	7440-02-0 2691-41-0 87-86-5	2.72E+00 5.23E+03 NA 4.84E-01	2.24E+02 9.40E+02 3.70E+03 2.37E+02		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
ickel HMX) entachlorophenol entaerythritol tetranitrate (PETN)	7440-02-0 2691-41-0 87-86-5 78-11-5	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
lickel IMX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0	2.72E+00 5.23E+03 NA 4.84E-01 NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL
lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9	2.72E+00 5.23E+03 NA 4.84E-01 NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
lickel HINX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
lickel HMO() entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorohexane sulfonic acid (PFNA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
lickel HMO() entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS) erfluorohexane sulfonic acid (PFNA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
lickel Attack entacythritol tetranitrate (PETN) erchiorate effluoroheptanoic acid (PFHpA) effluoroheptanoic acid (PFHpA) effluoronanoic acid (PFHAS) effluoronanoic acid (PFNA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFNA) effluoroheptanoic acid (PFNA) effluoroheptanoic acid (PFNA) effluoronctanes usifonic acid (PFNA) effluoronctanes usifonic acid (PFNA) effluoronctanes usifonic acid (PFNA)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
lickel IntoX entarchiorophenol entarchytriot let eranitrate (PETN) erchiorate erthiorothet entition (PFHA) erthiorothetanic acid (PFHA) erfluorononanoic acid (PFHA) erfluorononanoic acid (PFNA) erfluorocatanic acid (PFOS) efluorocatanic acid (PFOS) efluorocatanic acid (PFOA) ropoxur (Baygon)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00		Analyte conc. c RL No cancer RB-RSV Analyte conc. c RL No cancer RB-RSV Analyte conc. c RL	Analyte conc. < RL
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFHA) effluoroheane suffonic acid (PFHA) effluoroncanes cid (PFHA) ropoxur (Baygon) ropoxur (Baygon) ropoxur (Baygon)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02		Analyte cone. c RL No cancer RB-RSV Analyte cone. c RL No cancer RB-RSV Analyte cone. c RL Analyte cone. c RL No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RR
lickel HMX entachlorophenol entacythritol tetranitrate (PETN) eschlorate enfluorohetanole acid (PPHA) enfluorohetanole acid (PPHA) enfluorohetanole acid (PPHA) enfluoroohetanole acid (PPHA) enfluorootanole acid (PPA) enfluorootanole acid (PPA) ropour (Baygon)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02		Analyte cone. c. RL No cancer RB-RSV Analyte cone. c. RL No cancer RB-RSV Analyte cone. c. RL Analyte cone. c. RL	Analyte conc. < RI:
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) erchlorate effluoroheanie sulf (PFNA) effluoroheanie sulfonie acid (PFNA) effluorontanes sici (PFNA) effluorontanes sicil (PFNA) effluorontanes si	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 375-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 7782-49-2 7440-22-4	2.72E+00 5.32E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02		Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. < RL
lickel HMX entachlorophenol entacythritol tetranitrate (PETN) erchlorate effluorohexane sulfonic acid (PFHA) effluorohexane sulfonic acid (PFHA) effluorohexane sulfonic acid (PFNA) effluoroctaneic acid (PFOA) effluoroctaneic acid (PFOA) ropour (Baygon) ropy bezieve, n- cleenium liver strachioroethane, 1,1,1,2-	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2.24E-02 9.40E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 3.66E-02 2.37E-02 2.37E-02		Analyte conc. < Rt. No cancer Re-RS-V Analyte conc. < Rt. No cancer RB-RS-V Analyte conc. < Rt. No cancer RB-RS-V No can	Analyte conc. e Rt.
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFHA) effluoroheane suffonic acid (PFHA) effluoroncanes cid (PFHA) roposur (Baygon) roposur (Baygon) roposur (Baygon) roposur (Baygon) roposur (Baygon) roposur effluoroncethane, 1,1,1,2- etrachiorocethane, 1,1,1,2- etrachiorocethane	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-85-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-20-6	2.72E400 5.23E403 NA 4.84E-01 NA	2.24E+02 9.40E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+02 2.33E+02 2.33E+02 2.33E+02 2.33E+02 2.37E+02		Analyte conc. < RI. No cancer RH-RVO Analyte conc. < RI. No cancer RH-RVO Analyte conc. < RI.	Analyte conc. < Rt. Analyte conc. St. Analyte co
lickel IntoX entacylhorophenol entacythriot letranitrate (PETN) erchlorate effluoroheane suffonic acid (PFHpA) effluoroheane suffonic acid (PFHpA) effluoroheane suffonic acid (PFHA) effluoroheane suffonic acid (PFHA) effluorotanic acid (PFA) effluoropaur (Baypon) ropyl beziene, n- elenium liver etrachioroethane, 1,1,1,2- etrachioroethylene hallium (goluble Thallium)	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 135-67-1 114-26-1 103-65-1 7782-49-2 440-22-4 630-20-6 127-18-4 7440-28-0**	2.72E+00 5.23E+03 NA 4.84E-01 NA 1.32E+00 2.38E+00 NA	2,24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 5.13E-01 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 3.66E-02 2.37E-02 2.3		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. c. Rt.
icited IHMO entachlorophenol entacythrict letranitrate (PETN) eschlorate enfluoroheptanolic acid (PFHA) enfluoroheptanolic acid (PFHA) enfluoroheptanolic acid (PFHA) enfluoronchanels caid (PFHA) enfluoronchanels caid (PFHA) enfluoronchanels caid (PFHA) enfluoronchanels caid (PFHA) roposur (Baygon) roposur (Baygon) roposur (Baygon) roposur (Baygon) roposur estrachiorotethane, 1,1,1,2- etrachiorotethane, 1,1,1,2- etrachiorotethanel hallium (glouble Thallium) olume	7440-02-0 2691-41-0 87-86-5 78-11-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 1782-49-2 7440-22-4 630-20-6 127-18-4 7440-28-0**	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.23E-02 2.35E-02 2.3		Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS Analyte conc. < RI. No caneer RH-BVS NO caneer R	Analyte conc. e.R.
ickel whtk) estachlorophenol estacythritol tetranitrate (PETN) eschlorate esthurorate esthurorate entruorophenoic acid (PFHA) esthurorate entruorophenoic acid (PFHA) esthurorophenoic acid (PFHA) esthurorophenoic acid (PFHA) esthurorophenoic acid (PFHA) esthurorophenoic acid (PFOA) ropowi (Baygon) ropo	7440-02-0 2691-41-0 87-86-5 78-11-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 147-26-1 103-65-1 7782-49-2 40-02-4 630-20-6 127-18-4 7440-28-0** 108-88-3 79-01-6	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2,24E-02 9,40E-02 3,70E-03 2,37E-02 1,22E-02 5,13E-01 1,22E-00 1,2		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. «R. Analyte conc
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFHA) effluoroheptanoic acid (PFHA) effluoroncanes ucid (PFHA) roposur (Baygon) roposur (Baygon	7440-02-0 2691-41-0 87-86-5 78-11-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 17782-49-2 7440-22-4 4630-20-6 127-18-4 7440-28-0** 108-88-3 79-91-6 96-18-4	2.72E+00 5.23E+03 NA 4.84E-01 NA 1.326E+00 NA	2.24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.23E-02 2.35E-02 2.37E-02 3.36E-02 3.3		Analyte conc. < RI. No caneer RIH-RVY Analyte conc. < RI. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII. No caneer RIH-RVY Analyte conc. < RII.	Analyte conc. e.R.
ickel whtk) estachlorophenol estachlorop	7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7540-02-0 7440-0	2.72E+00 5.23E+03 NA 4.84E-01 NA	2_245-02 9_405-02 3_705-03 2_375-02 1_225-02 1_225-02 1_225-00 1_225-00 1_225-00 1_225-00 1_225-00 1_225-00 1_225-02 1_225-		Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. «R. Analyte conc
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFHA) effluoroheane sulfonic acid (PFHA) effluoroncanes cid (PFHA) roposur (Baygon) riposur (Baygon) r	7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 7440-22-4 7440-28-0 108-88-3 79-01-6 96-18-4 526-73-8 95-63-6	2.72E-00 5.23E-03 NA 4.84E-01 NA 1.35E-00 NA	2,245-02 3,705-03 2,375-02 1,225-02 1,225-02 1,225-00 1,255-00 1,255-		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer	Analyte conc. e. R.
ickel whtk) estachlorophenol estachlorop	7440-02-0 2691-410-0 87-86-5 78-11-5 14797-73-0 375-83-5 375-83-1 1763-23-1 335-67-1 103-65-1 103-65-1 108-88-3 79-01-6 96-18-4 99-6-18-4 99-6-18-6 99-6-18-	2.72E=00 5.23E=03 NA 4.84E-01 NA	2.24-02 9.405-02 9.405-02 3.705-03 1.225-02 1.225-02 1.225-00 1.22		Analyte conc. < RI. No cancer RE-REV Analyte conc. < RI. No cancer RE-REV	Analyte conc. e. R.
inicial HIMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanolic acid (PFHA) effluoroheptanolic acid (PFHA) effluoroheptanolic acid (PFHA) effluoronchanes caid (PFHA) ropposur (Baygon) ripposur (B	7440020 874852 781131 14797730 375859	2.72E+00 5.23E+03 NA 4.84E+01 NA 3.56E+00 7.88E+01 NA	2.24-02 9.405-02 3.705-03 1.705-03 1.225-02 1.225-02 1.225-03 1.22		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer RH-R	Analyte conc. et analyt
ickel intext (Intext) intext (7440020 8786-9 7811-3 14797-720 3778-19 3778-9 355-46-4 3759-51 11762-23-1 135-67-1 114-68-1 114-68-1 1798-99-2 740-02-4 108-88-3 108-88-3 79-01-6 108-88-3 9-6-18-4 108-61-8 9-6-18-4 108-61-8 9-6-18-4 108-61-8	2.72E=00 5.23E=03 NA 4.84E-01 NA	2.24±02 9.405±02 3.70±03 1.70±03 1.22±00 1.22±		Analyte conc. < Rt. No cancer RB-RSV Analyte conc. < Rt. No cancer RB-RSV	Analyte conc. «R. Analyte conc
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheanic acid (PFHA) effluoroheanic acid (PFHA) effluoroncanic acid (PFHA) eff	7440020 7591410 87855 77815 77815 14797730 375459 375454 375454 375454 114561 114571 114561 1104571 114561 1104571 110	2.72E+00 5.23E+03 NA 4.84E+01 NA	2,24:02 9,409:02 3,706:03 2,376:03 1,226:02 1,226:02 1,226:00 1,22		Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO Analyte conc. < RI. No caneer RH-RVO NO caneer R	Analyte conc. e. R.
ickel intext (Missel (7440020 8746-5 78-11-5 14797-73-0 1578-6 1778-15 1578-6 1578-6 1578-6 1778-8 1788-2 1788-2 114-2 1782-9 1782-9 1782-9 1782-9 1782-9 1888-3 188	2.72E=00 5.23E=03 NA 4.84E=01 NA	2.24±02 9.405±02 3.705±03 1.705±03 1.225±02 1.225±02 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±02 1.225±02 1.235±02 2.375±02 2.375±02 3.655±02 8.675±00 8.675±00 8.675±00 8.675±00 8.675±00 1.665±02 1.66		Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. «R. Analyte conc
ickel IMMO entachlorophenol entacythriot letranitrate (PETN) exchlorate effluoroheptanoic acid (PFHA) effluoroheptanoic acid (PFHA) effluoronchanes cid (PFHA) roposur (Baygon) rimosur (Baygon	7440020 7591410 87855 77815 77815 14797730 375459 375454 375955 375464 375955 1163221 316473 316471 114261 104571 104572 1046724 650206 127184 650206 127184 550206 127184 560206 127184	2.72E-00 5.23E-03 NA 4.84E-01 NA	2,24:02 9,409:03 3,706:03 2,376:03 1,226:00 1,22		Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY NO caneer RH-R	Analyte conc. e. R. Analyt
ickel whtk) setachlorophenol entacythrict letranitrate (PETN) exchlorate enthurchreanic acid (PFHpA) enfluoroheanic sulfonic acid (PFHA) enfluoroheanic sulfonic acid (PFHA) enfluoroncanes sulfonic acid (PFHA) enfluoroncanes sulfonic acid (PFHA) enfluoroncanes sulfonic acid (PFHA) enfluoroncanes sulfonic acid (PFHA) roposur (Baygon) ropy (benzere, n. elention liver strachlorotethane, n. elention liver etrachlorotethylene etrachlorotethylene etrachlorotethylene irichloropropane, 1,2,3- rimethylbenzene, 1,2,3- rimethylbenzene, 1,2,3- rimethylbenzene, 1,3- rimitrotoluene, 2,4,6-(INT) ranium (solubbe astts) anadium ingichloride ingichloride ingich chioride ingich chi	7440020 87:86-9 78:11-9 14/97-73-0 15/97-8-10 1778-8-9 15/97-8-10 1768-28-1 1768-28-1 116-26-1 106-65-1 1768-28-1 106-65-1 17782-49-2 740-02-4 68-020-6 127-18-4 740-02-9 108-88-3 9-61-8 108-67-8 118-96-7 NA 740-62-2 7-50-1 108-67-8 118-96-7 NA	2.72E=00 5.23E=03 NA 4.84E=01 NA	2.24±02 9.405±02 3.705±03 1.705±03 1.225±02 1.225±02 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±00 1.225±02 1.225±02 1.235±02 2.375±02 2.375±02 3.655±02 8.675±00 8.675±00 8.675±00 8.675±00 8.675±00 1.665±02 1.66		Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyteconc - Ri.
inicial HIMO entachlorophenol entacythriot letranitrate (PETN) erchlorate entacythriot letranitrate (PETN) erchlorate enfluoroheanoic acid (PFNA) enfluoroheanoic acid (PFNA) enfluoronotane sidnoic acid (PFNA) enfluoronotane sidnoic acid (PFNA) enfluoronotane sid (PFNA) enfluoronotane sidd (PFOA) ropoxur (Baygon) richlororopoxur (Baygon) richloropoxur (7440020 75914021 75914021 75914021 75915021 7591	2.72E+00 5.23E+03 NA 4.84E+01 NA 3.96E+00 NA	2,24:02 9,409:03 3,706:03 2,376:02 1,226:02 1,226:02 1,226:00 1,22		Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY Analyte conc. < RI. No caneer RH-RVY NO caneer RH-R	Analyteconc - Rt.
Viaphthalien Vickel Whito Wickel Whito	7440020 75914021 75914021 75914021 75915021 7591	2.72E+00 5.23E+03 NA 4.84E+01 NA 3.96E+00 NA	2,24:02 9,409:03 3,706:03 2,376:02 1,226:02 1,226:02 1,226:00 1,22		Analyte conc. < RI. No cancer RE-REV Analyte conc. < RI. No cancer RE-REV No cancer RE-RE-REV No cancer RE-REV	Analyte conc. et al. Analyte c

Analyte	CASRN	*RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(6/6/	Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RI
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RI
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1 16F+02	7 90F+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
erzene	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	3.67E+U2 NA	2.80E+03		No cancer RB-RSV	Analyte conc. < Rt
	7440-42-8	NA NA	1 47F+04			
oron					No cancer RB-RSV	
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA NA	4.02F+04		No cancer RB-RSV	Analyte conc. < RI
hromium (III) (insoluble saits)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
nromium (VI) obalt	7440-48-4	9.06E-02 1.51E+02	2.19E+01		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL
	7440-48-4		2.19E+01 1.04E+04			
opper		NA 1.98E+01			No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7		1.22E+03		Analyte conc. < RL	Analyte conc. < RL
Nbromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
libromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA.	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Ochloropropane. 1.2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA NA	2.30E+03	1.30E-02	No cancer RB-RSV	5.65E-06
luorene	86-73-7	NA NA	2.30E+03	1.500 01	No cancer RB-RSV	Analyte conc. < RL
lexachlorobenzene	118-74-1	1.31F-01	5.61F+01		Analyte conc. < RL	Analyte conc. < RL
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
dydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
ron	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
					No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)	98-82-8	NA	2.56E+02			
sopropylbenzene (cumene) Manganese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene) Manganese (non-diet) Mercury (elemental)	7439-96-5 7439-97-6	NA NA	1.12E+03 3.13E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene) Manganese (non-diet) Mercury (elemental) Methyl ethyl ketone	7439-96-5 7439-97-6 78-93-3	NA NA NA	1.12E+03 3.13E+00 1.70E+04		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
sopropylbenzene (cumene) Manganese (non-diet) Mercury (elemental) Methyl ethyl ketone	7439-96-5 7439-97-6	NA NA	1.12E+03 3.13E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene) danganses (non-diet) fercury (elemental) dethyl ethyl ketone fethyl tert-butyl ether (MTBE) dolybdenum	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7	NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
opropylbenzene (cumene) danganses (non-diet) fercury (elemental) dethyl ethyl ketone fethyl tert-butyl ether (MTBE) dolybdenum	7439-96-5 7439-97-6 78-93-3 1634-04-4	NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
sopropylbenzene (cumene) Anaganese (non-diet) Arecrusy (elemental) Aethyl ethyl ketone Aethyl tert-butyl ether (MTBE) Molybdenum Japhthalene	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7	NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
opropylbenzene (cumene) Anaganese (non-diet) fercury (elemental) fethyl ethyl ketone fethyl tert-butyl ether (MTBE) follybdenum aphthalene lickel	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3	NA NA NA NA NA 2.72E+00	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02		No cancer RB-RSV Analyte conc. < RL	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
opropythenzene (cumene) fingspese (prond-det) fescury (elemental) fethy ethyl lettore fethyl ethyl setone fethyl ethyl setone fethyl ethyl	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0	NA NA NA NA NA 2.72E+00 5.23E+03	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL
opropytheatzen (cumene) danganses (non-diet) fercury (elemental) fetry (elemental) fetry tery betone fetrly tery betone fetrly tery betone fetrly tery betone fetrly tery buty ether (MTBE) follopidenum japhthalene lickel intel elementation opphenoi	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5	NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02		No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL
sopropythenzene (cumene) dnagnanee (non-diet) fee cury (elemental) feet cury (elemental) feet (setty) ethyt (elemental) feet (setty) ethyt (elemental) feet (setty) ethyt (elemental) feet (setty) ethyt (elemental) feet (setty)	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA 2.72E+00 5.23E+03 NA 4.84E-01 NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
opropythenzere (cumene) naganese (non-dict) fercury (elemental) fetry (elemental) gaphthalene ickele idMX) elemental(elemental) fetry (elemental) fetry (ele	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
sopropythenzene (cumene) danganese (non-diet) dercury (elemental) dercury (elemental) derthy ethyl ketone dethyl ethyl ketone dethyl (ter-butyl ether (MTBE) dolybdenum apphthalene lickee lickee distriction (state of the dethyl ethyl entachlorophenol entacythyltot letranitrate (PETN) erchlorate erfluoroheptanol caid (PFHpA)	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9	NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
opropythenzere (currene) tranganese (non-diet) fercury (elementa) fercury (elementa) fethy ethy ketne tethy tethy textone tethy textone tethy textone text	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	NA A NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RI.
sopropythenzene (cumene) danganese (non-diet) der cury (elemental) der cury (elemental) der cury (elemental) der cury (elemental) der	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	NA 2.72E+00 5.23E+03 NA 4.88E-01 NA NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+03 2.37E+03 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00		No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RC Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
opropybeatzen (cumene) danganses (non-diet) fercury (elemental) fercury (elemental) ferty tery betone fethy tery betone fethy tery betone fethy tery buty ether (MTBE) follopidenum laphthalene licited intitot entachiorophenol entachystritol tetranitrate (PETN) erofluorabene long fethoroptanolic acid (PFHpA) erfluoronhapenal (PFHS) erfluoronnanolic acid (PFHS) erfluoronnanolic acid (PFHS)	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1	NA N	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 1.27E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00		No cancer BR-RSV	Analyte conc. < RI.
sopropythenzene (cumene) hanganese (non-diet) hercury (elemental)	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 375-85-1 1763-23-1 335-67-1	NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 6.49E-02 2.6E-02 2.24E-02 9.40E-02 1.22E-02 1.22E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00		No cancer RE-REV No cancer RE-REV No cancer RE-REV No cancer RE-REV No cancer RE-RE-V No cancer RE-RE-V No cancer RE-RE-V No cancer RE-RE-V Analyte conc. < RE. Analyte conc. < RE. Analyte conc. < RE. Analyte conc. < RE-REV No cancer RE-REV	Analyte conc. < RL
opropyleatzen (cumene) dangansee (non-diet) fercury (eiemental) fercury (eiemental) ferty terty-buty ether (MTBE) dohydenum laphthalee lickele lithele entachlorophenol entachythritol tetranitrate (PETN) erfluorohaptanoic acid (PFHpA) erfluorohaptanoic acid (PFHA) erfluorohaptanoic acid (PFHA) erfluorochana (acid (PFHA) erfluorochana (acid (PFHA) erfluorochana (acid (PFHA)) erfluorochana (acid (PFHA)) erfluorochana (acid (PFHA)) erfluorochana (acid (PFHA)) erfluorochana (acid (PFOA))	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1	NA NA NA NA NA 2.72E+00 5.32E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 1.22E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00		No cancer BR-RSV Analyte conc. < RR. Analyte conc. < RR.	Analyte conc. RIL Analyte conc. SRIL Analyte conc.
sopropythenzene (cumene) hanganese (non-diet) hercury (elemental)	7439-96-5 7439-97-6 78-93-3 1634-04-7 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-65-9 375-65-1 1763-23-1 1763-23-1 114-26-1 103-65-1	NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 6.49E-02 2.68E-02 2.24E-02 9.40E-02 2.77E-02 1.22E-00		No cancer RE-REV An alyte conc. < RE No cancer RE-REV	Analyte comc. e Rt.
opropythenzere (cumene) tangansee (non-det) fer cury (elemental) fer cury (elemental) fer cury (elemental) fer cury (elemental) fer (elemental	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1	NA NA NA NA NA 2.72E+00 5.32E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E+03 3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 1.22E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00		No cancer BR-RSV Analyte conc. < RR. Analyte conc. < RR.	Analyte comc. e Rt.
opropytheatzen (cumene) danganese (non-diet) fercury (eimental) fercury (eimental) fercury (eimental) fethy ethy kerb (MTBE) dohydenum laphthalee lickele lithko entacyhritrol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PPHpA) erfluoroheptanoic acid (PPHA) erfluorohemae laphtnia caid (PPHS) erfluoronanona (acid (PPHS) erfluoronanonalo (acid (PPHS) erfluoronanonalo (acid (PPSS) efluoronanonalo (acid (PPSS) efluoronanonanonanonanonanonanonanonanonanon	7439-96-5 7439-97-6 78-93-3 1634-04-7 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-65-9 375-65-1 1763-23-1 1763-23-1 114-26-1 103-65-1	NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 6.49E-02 2.68E-02 2.24E-02 9.40E-02 2.77E-02 1.22E-00		No cancer RE-REV An alyte conc. < RE No cancer RE-REV	Analyte conc. e Rt.
sopropythenzene (cumene) Anaganese (non-diet) Hercury (einemetal) Hercury (einemetal) Hercury (einemetal) Herby ethyl ketone Herby Herby Herby (einemetal) Herby ethyl ketone Herby Herby Herby Herby (einemetal) Herby Herby Herby (einemetal) Herby	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2	NA NA NA NA NA NA 2.72E400 5.23E403 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 6.49E-02 2.48E-02 2.24E-02 3.66E-02 3.70E-03 3.70E-03 2.37E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.23E-02 3.66E-02 3.66E-02		No caneer RE-REV Analyte cone, c-RE, Analyte cone, c-RE, Analyte cone, c-RE, No caneer RE-REV	Analyte conc. e.R.
copropylearzen (cumene) dangansee (non-diet) fercury (eiemental) fercury (eiemental) fethy ethylearch (MTBE) dohylearen laphthalen lickel ethylearch (MTBE) dohylearen laphthalen lickel ethox) ethorate ertuchoraben ertuchoraben erfluorohenal endinci acid (PFHA) erfluorohenan eindinci acid (PFNA) erfluorohenan eindinci acid (PFNA) erfluorohenan eindinci acid (PFNA) erfluorohenan eindinci acid (PFOS) efluorobatanic acid (PFOS) efluorobatanic acid (PFOS) efluorobatanic, 1,1,1,2- tetrachionoethane, 1,1,1,2-	7439-96-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4	NA NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 6.49E-02 3.66E-02 2.24E-02 3.70E-03 3.79E-02 1.22E-02 5.13E-01 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.37E-02 2.37E-02 2.37E-02 2.37E-02 2.37E-02 2.37E-02 2.37E-02 2.37E-02		No cancer BR-RSV	Analyteconc. eR.
opropythenzere (cumene) nanganese (non-diet) fercury (elemental) fercury (elemental) fercury (elemental) fercury (elemental) ferthy ethyl stenne fethyl tert-butyl ether (MTBE) follyddenum sphthalene ickel follyddenum settachiorophenol entachiorophenol entachiorophenol entachiorophenol entachylmitol tetranitrate (PETN) erchlorate fulurorheptanoic acid (PFHA) erfluorontanesi (acid (PFHA) erfluorontanesi (acid (PFHA) erfluorontanesi (acid (PFHA)) erfluorontanesi (acid (PFHA)) erfluorontanesi (acid (PFA)) erfluorontanesi (acid (PFA)) roposur (Baygon) roposur (Baygo	7439-95-5 7439-97-6 78-93-3 1634-04-4 7439-98-7 91:20-3 7440-02-0 2691-41-0 87-85-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 114-26-1 114-26-1 1782-49-2 630-20-6 127-18-4	NA N	1.12E-03 3.13E-00 1.70E-04 6.49E-02 3.66E-02 2.24E-02 3.70E-03 3.70E-03 3.70E-03 1.27E-02 1.27E-02 1.27E-00 1.2		No cancer RE-RSV	Analyte conc. e. R.
opropythenzere (cumene) nanganese (non-diet) fercury (elemental) fercury (elemental) fercury (elemental) ferthy stryk textore tethy tetry buty ether (MTBE) folybydenum aphthalen ickele inthick entrachizere entrach	7439-96-5 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-2 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 176-23-1 176-23-1 176-23-1 178-249-2 740-02-4 60-02-6 107-18-4 108-6-1 1	NA NA NA NA NA NA 2.72E-03 5.23E-03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.12E-03 3.13E-00 1.70E-04 1.70E-04 6.49E-02 3.66E-02 2.24E-02 3.70E-03 3.70E-03 1.22E-02 1.22E-02 1.22E-01 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.23E-00 1.2		No cancer BR-RSV	Analyteconc. eR.
opropythenzere (zumene) nanganser (non-diet) fercury (elemental) fercury (elemental) fercury (elemental) fercury (elemental) ferthy ethyl stenne fethyl tert-butyl ether (MTBE) folyddenum aphthalene lickel stackhlorophenol entacythirtol tetranitrate (PETN) erchlorate fulurorhaptanoic acid (PFHpA) erfluorohaptanoic acid (PFHpA) erfluorohaptanoic acid (PFHpA) erfluorontane sulfonic acid (PFHA) erfluorontane sulfonic acid (PFHA) erfluorontane sulfonic acid (PFHA) erfluorontane sulfonic acid (PFNA) erfluor	7439-96: 5 78-93-3 16340-44 7439-97-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 37-84-9 37-84-9 37-84-1 114-26-1 1-26-26-26-1 1-26-26-1	NA NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	1126-03 3.184-00 1.705-04 6.434-02 3.564-02 3.664-02 3.705-03 3.705-03 1.224-00 1.22		No cancer RE-RSV An alyte conc. < RR. Analyte conc. < RR. Analyte conc. < RR. Analyte conc. < RR. No cancer RE-RSV	Analyte conc. e.R.
opropytheatzer (currene) tanganese (non-dict) fercury (elemental) fercury (elemental) fercury (elemental) fethy ethy letone tethy tethy tethoe fethy tethy tethy tethoe fethy tethy tethy tethy tethy fethy tethy tethy tethy fethy tethy tethy tethy fethy tethy tethy fethy tethy tethy fethy tethy fethy tethy fethy tethy fethy tethy fethy feth	7439-96: 7 7439-97: 7 7439-97: 7 7439-97: 7 7439-97: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7440-02: 7 7400-02: 7	NA N	1126-03 3136-00 1706-04 6.496-02 3.686-02 2.246-02 9.406-02 3.706-03 1.706-03 1.226-00 1.226-		No cancer BR-RSV	Analyteconc. eR.
sopropythenzene (cumene) manganese (non-diet) fetcury (eilemental) fetcu	7419995.5 7419976.7 7419976.7 7419976.7 7419976.7 7419987.7 74190987.7 74190987.7 74190987.7 7419987.7 7419987.7 7419987.7 741997.7 74197.7 74	NA N	1.126-00 1.1		No cancer RE-RSV	Analyteconc. eR.
copropyleazene (cumene) danganese (non-diet) fercury (eiemental) fercury (eiemental) ferty terty-buty ether (MTBE) dohydenum laphthalee lickele lithes entachiorophenol entacyhritrol tetranitrate (PETN) erchlorate enfluoroheptanolic acid (PFHpA) enfluoroheptanolic acid (PFHA) enfluoroheptanolic acid (PFNA) enf	7439-96: 7 7439-97: 7 7439-97: 7 7439-97: 7 7439-97: 7 7440-02: 7	NA N	1126-03 318-00 1706-04 6.499-02 3 666-02 2.248-02 3 666-02 2.376-02 2.376-02 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.238-0		No cancer BR-RSV	Analyteconc. eR.
sopropythenzene (cumene) manganese (non-diet) fetreury (einemettal) fetreury (einemetal) fetreury (ein	74199965 78:93-3 7419976 78:93-3 16340-44 7419987 710-7 74	NA N	1.126-03 1.126-03 1.126-03 1.126-03 1.126-03 1.096-04 1.096-04 1.096-03 1.096-03 1.096-03 1.096-03 1.096-03 1.126-03 1.1		No cancer RE-RSV	Analyteconc. eR.
opropylebrazen (cumene) dangansee (non-det) fercury (eimental) fercury (eimental) fercury (eimental) ferthy ethyle knop ferthy ethylebrazen fethylethylebrazen fethylethylebrazen fethylethylethylebrazen fethylethylethylethylethylethylethylethyl	7439-96: 7 7439-97: 7 7439-97: 7 7439-97: 7 7439-97: 7 7440-02: 7	NA N	1126-03 3186-00 1706-04 6.499-02 3 666-02 2.248-03 3.056-03 3.056-03 3.056-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.228-03 1.238-		No cancer BR-RSV	Analyteconc. eR.
opropylebrazen (cumene) dangansee (non-det) fercury (eimental) fercury (eimental) fercury (eimental) ferthy ethyle knop ferthy ethylebrazen fethylethylebrazen fethylethylebrazen fethylethylethylebrazen fethylethylethylethylethylethylethylethyl	74199965 78:93-3 7419976 78:93-3 16340-44 7419987 710-7 74	NA N	1.126-03 1.126-03 1.126-03 1.126-03 1.126-03 1.096-04 1.096-04 1.096-03 1.096-03 1.096-03 1.096-03 1.096-03 1.126-03 1.1		No cancer RE-RSV	Analyte conc. e. R.
opropythenzee (cumene) nangansee (non-det) fercury (elemental) fer	7439-96: 7 7439-97: 7 7439-97: 7 7439-97: 7 7439-97: 7 7440-02: 7	NA N	1.126-03 1.1		No caneer RE-RSV	Analyteconc. eR.
opropythenzere (currene) tranganese (non-dist) fercury (elementa) fercury (elementa) fercury (elementa) ferty stryk textone fethy testy betone fethy testy buty ether (MTBE) folybydenum aphthale include fethicle inthicle	7439-96-5 78-93-3 7439-97-6 78-93-3 16340-44 7439-98-7 91:0-3 7440:0-2 759-14:0-3 759-15-3 759-15-3 759-15-3 759-73-3 75-85-9	NA N	1126-03 3186-00 1706-04 6.499-02 3 666-02 2 248-02 3 666-02 2 248-02 3 700-03 1706-03		No cancer RB-RSV Analyte conc. < RI. Analyte conc. < RI. Analyte conc. < RI. No cancer RB-RSV	Analyteconc. eR.
opropythenzere (zumene) nanganser (non-diet) fercury (elemental) f	7419995.5 7419976.7 7419976.7 7419976.7 7419976.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 7419987.7 74197.7	NA N	1.126-03 1.126-03 1.126-03 1.126-03 1.056-02 1.056-02 1.056-03 1.056-03 1.126-03 1.1		No cancer RE-RSV	Analyte conc. e. R.
opropythenzere (cumene) tanganese (non-dist) fercury (elemental) fethy ethyl e	7439-96: 5 78-93-3 7439-97: 6 78-93-3 16340-04-1 7439-98: 7 91:0-3 7440-02:0 87-85-3 78-13-3 1259-73-0 175-53-3 135-67-1 114-67-1	NA N	112E-03 318E-00 170E-04 6.49E-02 3 68E-02 2 24E-02 3 68E-02 2 24E-02 3 68E-02 2 24E-02 122E-03		No cancer RB-RSV	Analyteconc. eR.
sopropythenzene (cumene) manganese (non-diet) fetcury (einemetal)	7419996.5 78.93-3 7419976.7 78.93-3 16340-44 741998.7 91:0-3 746002.0 2591410.0 87.85-5 7591-5 1479773.0 375.45-6 375.45-6 375.45-7 147.46	NA N	1.126-03 1.1		No cancer RE-RSV	Analyteconc. Rt. Analyt
coprogribenzene (cumene) coprogribenzene (cumene) dercury (eigenental) dercury (eigenental) detry (ert-butyf ether (MTBE) detry (ether butyf ether (ether butyf ether	7439-96: 7 7439-97: 7 7439-97: 7 7439-97: 7 7439-97: 7 7440-02: 0 87-85-3 75-8	NA N	112E-03 318E-00 170E-04 6.49E-02 3 68E-02 2 24E-02 3 68E-02 2 24E-02 3 68E-02 2 24E-02 122E-03		No cancer RB-RSV Analyre conc. < RI. Analyre conc. < RI. Analyre conc. < RI. No cancer RB-RSV	Analyteconc. eR.
opropythenzere (zumene) nanganser (non-diet) fercury (elemental) f	743996:5 7439976 7439976 7439976 7439976 7439977 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020 7440020	NA N	1126-03 1126-03 1126-03 1126-03 1126-03 1126-03 1126-03 1126-03 1126-03 126-02 126-02 126-02 126-02 126-02 126-03		No cancer RE-RSV	Analyteconc. Rt. Analyt

nalyte	CASRN 4	'RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3.7.8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(1116/116/	Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
ital PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
tetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
achlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum ntimony	7429-90-5 7440-36-0	NA NA	7.25E+04 2.60E+01		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
arium	7440-36-0	NA NA	1.12F+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
itylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
erbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride nlorobenzene	56-23-5 108-90-7	3.72E-01 NA	1.30E+02 4.14E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA NA	4.14E+02 4.02E+04		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
hromium (III) (insoluble saits)	18540-29-9	9.06E-02	4.02E+04 1.16E+02		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
(2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
chloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
ichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
ioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
uoranthene	206-44-0	NA	2.30E+03	1.20E-02	No cancer RB-RSV	5.21E-06
uorene exachlorobenzene	86-73-7 118-74-1	NA 1.31E-01	2.30E+03 5.61E+01		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
exacnioropenzene exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
ydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
on	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene)	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
langanese (non-diet)	7439-96-5	NA NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
lercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
lethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
lethyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
lolybdenum	7439-98-7	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
ckel	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
IMX)	2691-41-0	NA .	3.70E+03		No cancer RB-RSV	Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
erchlorate	14797-73-0 375-85-9	NA NA	5.13E+01 1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA) erfluorohexane sulfonic acid (PFHxS)	3/5-85-9	NA NA	1.22E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erfluoronexane suitonic acid (PFHXS)	375-95-1	NA NA	1.22E+00	+	No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
opoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2	NA	3.66E+02		No cancer RB-RSV	Analyte conc. < RL
lver	7440-22-4	NA	2.37E+02		No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.10E+03		Analyte conc. < RL	Analyte conc. < RL
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL
nallium (soluble Thallium)	7440-28-0**	NA NA	7.33E-01		No cancer RB-RSV	Analyte conc. < RL
oluene ichloroethylene	108-88-3 79-01-6	NA 6.81E-01	7.06E+02 6.21E+00		No cancer RB-RSV	Analyte conc. < RL
					Analyte conc. < RL	Analyte conc. < RL
ichloropropane, 1,2,3- imethylbenzene, 1,2,3-	96-18-4 526-73-8	3.11E-03 NA	8.67E+00 2.06E+02		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
imethylbenzene, 1,2,3- imethylbenzene, 1,2,4-	95-63-6	NA NA	2.06E+02 1.66E+02		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
imethylbenzene, 1,3,5-	108-67-8	NA NA	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
initrotoluene 2 4 6-(TNT)	118-96-7	1.15F+01	3.49F+01		Analyte conc. < RI	Analyte conc. < RI
ranium (soluble salts)	NA	NA NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
anadium	7440-62-2	NA NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	Analyte conc. < RL
nyl chloride						
	1330-20-7	NA.	2.52E+02		No cancer RB-RSV	Analyte conc. < RL
rlenes nc	7440-66-6	NA NA	2.52E+02 2.20E+04		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
lenes	7440-66-6 E Appendix E, Table 1.	NA	2.20E+04			

nalyte	CASRN 4	RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3.7.8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(1116/116/	Analyte conc. < RL	Analyte conc. < RL
aP-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
ital PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
achlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
drin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
uminum	7429-90-5 7440-36-0	NA NA	7.25E+04 2.60E+01		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
arium	7440-36-0	NA NA	1.12F+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
ervilium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
s(2-chloro-1-methyl ethyl)ether	108-60-1	NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl arbon Disulfide	63-25-2 75-15-0	3.17E+02 NA	6.08E+03 6.08E+02	+	Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
	75-15-0 56-23-5	NA 3.72E-01	6.08E+02 1.30E+02		No cancer RB-RSV Analyte conc. < RL	
arbon tetrachloride nlorobenzene	108-90-7	3.72E-U1 NA	1.30E+02 4.14F+02		No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA NA	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
nromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
bbalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
(2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
bromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
bromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
chloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
chloroethylene, cis 1,2-	156-59-2	NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
chloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
chloropropane, 1,2- loxane, 1,4-	78-87-5 123-91-1	1.51E+00 2.78E+00	2.63E+01 1.05E+03		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
hylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
uoranthene	206-44-0	3.08E+00	2.30E+03	4.10E-02	No cancer RB-RSV	1.78E-05
uorene	86-73-7	NA NA	2.30E+03	4.100-02	No cancer RB-RSV	Analyte conc. < RL
exachlorobenzene	118-74-1	1.31E-01	5.61E+01		Analyte conc. < RL	Analyte conc. < RL
exahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
ydrogen cyanide	74-90-8	NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
on	7439-89-6	NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
opropylbenzene (cumene)	98-82-8	NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
langanese (non-diet)	7439-96-5	NA	1.12E+03		No cancer RB-RSV	Analyte conc. < RL
ercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
ethyl ethyl ketone	78-93-3	NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
ethyl tert-butyl ether (MTBE)	1634-04-4	NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
olybdenum	7439-98-7	NA 2 72F+00	3.66E+02 2.24F+02		No cancer RB-RSV	Analyte conc. < RL
aphthalene	7440-02-0	5.23E+03	9.40E+02		Analyte conc. < RL	Analyte conc. < RL
ickel	2691-41-0	5.23E+U3 NA	9.40E+02 3.70E+03		Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
entachlorophenol	87-86-5	4.84E-01	2.37E+02		Analyte conc. < RL	Analyte conc. < RL
entaerythritol tetranitrate (PETN)	78-11-5	NA NA	1.22E+02		No cancer RB-RSV	Analyte conc. < RL
archiorate	14797-73-0	NA NA	5.13E+01		No cancer RB-RSV	Analyte conc. < RL
erfluoroheptanoic acid (PFHpA)	375-85-9	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorohexane sulfonic acid (PFHxS)	355-46-4	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorononanoic acid (PFNA)	375-95-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
erfluorooctane sulfonic acid (PFOS)	1763-23-1	NA	1.22E+00		No cancer RB-RSV	Analyte conc. < RL
efluorooctanoic acid (PFOA)	335-67-1	3.96E+00	1.22E+00		Analyte conc. < RL	Analyte conc. < RL
ropoxur (Baygon)	114-26-1	7.88E+01	2.43E+02		Analyte conc. < RL	Analyte conc. < RL
ropyl benzene, n-	103-65-1	NA NA	2.53E+02		No cancer RB-RSV	Analyte conc. < RL
elenium	7782-49-2 7440-22-4	NA NA	3.66E+02 2.37E+02		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
etrachloroethane, 1,1,1,2-	630-20-6	1.32E+00	2.37E+02 2.10E+03		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
etrachloroethylene	127-18-4	2.38E+00	1.13E+02		Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
allium (soluble Thallium)	7440-28-0**	NA NA	7.33E-01		No cancer RB-RSV	Analyte conc. < RL
luene	108-88-3	NA NA	7.06E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene	79-01-6	6.81E-01	6.21E+00		Analyte conc. < RL	Analyte conc. < RL
ichloropropane, 1,2,3-	96-18-4	3.11E-03	8.67E+00		Analyte conc. < RL	Analyte conc. < RL
imethylbenzene, 1,2,3-	526-73-8	NA	2.06E+02		No cancer RB-RSV	Analyte conc. < RL
imethylbenzene, 1,2,4-	95-63-6	NA	1.66E+02		No cancer RB-RSV	Analyte conc. < RL
imethylbenzene, 1,3,5-	108-67-8	NA	1.44E+02		No cancer RB-RSV	Analyte conc. < RL
initrotoluene, 2,4,6-(TNT)	118-96-7	1.15E+01	3.49E+01		Analyte conc. < RL	Analyte conc. < RL
ranium (soluble salts)	NA NA	NA	4.40E+01		No cancer RB-RSV	Analyte conc. < RL
anadium	7440-62-2	NA	2.77E+00		No cancer RB-RSV	Analyte conc. < RL
	75-01-4	9.83E-02	8.51E+01		Analyte conc. < RL	Analyte conc. < RL
nyl chloride denes	1330-20-7	NA	2.52E+02		No cancer RB-RSV	Analyte conc. < RL
	1330-20-7 7440-66-6	NA NA	2.52E+02 2.20E+04		No cancer RB-RSV No cancer RB-RSV Sample	Analyte conc. < RL Analyte conc. < RL Sample

inalyte	CASRN	*DD DSV (ma/ka)	bRB-RSV _n	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	^a RB-RSV _{cs} (mg/kg) 2.25E-06	(mg/kg) 4.91E-05	(IIIg/ Ng/	Analyte conc. < RL	Analyte conc. < RL
P-TE ^d	-	7.28E-02	NA NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
ntimony	7440-36-0	NA	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16E+02	7.90E+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA	1.47E+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
romoxynil	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
utylbenzene, n-	104-51-8	NA	3.50E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, sec-	135-98-8	NA.	7.01E+03	_	No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03	_	Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA NA	4.14E+02	_	No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA .	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4 7440-50-8	1.51E+02	2.19E+01 1.04E+04	_	Analyte conc. < RL	Analyte conc. < RL
opper		NA 1.98E+01			No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7		1.22E+03		Analyte conc. < RL	Analyte conc. < RL
libromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
ibromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
ichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
lichloroethane, 1,2-	107-06-2	2.85E-01	4.95E+01		Analyte conc. < RL	Analyte conc. < RL
ichloroethylene, cis 1,2-	156-59-2	NA NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
ichloroethylene, trans 1,2-	156-60-5	NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Dichloropropane, 1,2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
thylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA	2.30E+03	1.20E-02	No cancer RB-RSV	5.21E-06
luorene	86-73-7 118-74-1	NA 1.31F-01	2.30E+03 5.61E+01		No cancer RB-RSV	Analyte conc. < RL
lexachlorobenzene	121-82-4		2.90E+02		Analyte conc. < RL	Analyte conc. < RL
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	74-90-8	4.60E+00 NA	4.91E+01		Analyte conc. < RL	Analyte conc. < RL
lydrogen cyanide ron	7439-89-6	NA NA	4.91E+01 5.13E+04		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
	98-82-8	NA NA	2.56E+02	-	No cancer RB-RSV	Analyte conc. < RL
sopropylbenzene (cumene)		NA NA				
Manganese (non-diet) Mercury (elemental)	7439-96-5 7439-97-6	NA NA	1.12E+03 3.13E+00		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
Methyl ethyl ketone	78-93-3	NA NA	1.70E+04		No cancer RB-RSV	Analyte conc. < RL
lethyl tert-butyl ether (MTBE)	1634-04-4	NA NA	6.49E+02		No cancer RB-RSV	Analyte conc. < RL
	1034-04-4				No cancer RB-RSV	Allalyte colic. < KE
folubdonum	7420 00 7					Analyto conc. < Pl
	7439-98-7	NA 2.72F±00	3.66E+02	+		Analyte conc. < RL
aphthalene	91-20-3	2.72E+00	2.24E+02		Analyte conc. < RL	Analyte conc. < RL
laphthalene lickel	91-20-3 7440-02-0	2.72E+00 5.23E+03	2.24E+02 9.40E+02		Analyte conc. < RL Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL
Molybdenum laphthalene lickel HMX)	91-20-3 7440-02-0 2691-41-0	2.72E+00 5.23E+03 NA	2.24E+02 9.40E+02 3.70E+03		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
laphthalene lickel HMX) entachlorophenol	91-20-3 7440-02-0 2691-41-0 87-86-5	2.72E+00 5.23E+03 NA 4.84E-01	2.24E+02 9.40E+02 3.70E+03 2.37E+02		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
aphthalene lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
aphthalene lickel html html entachlorophenol entachlyritol tetranitrate (PETN) erchlorate	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0	2.72E+00 5.23E+03 NA 4.84E-01 NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
aphthalene lickel HMX) entachlorophenol entaerythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9	2.72E+00 5.23E+03 NA 4.84E-01 NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
aphthalene (cickel MMX) Intachlorophenol entacythritol tetranitrate (PETN) erchlorate erfluoroheptanoic acid (PFHpA) erfluoroheptanoic acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene ickel MAX) entachlorophenol entacythritol tetranitrate (PETN) erchlorate effluoroheptanoic acid (PFHpA) effluoroheptanoic acid (PFHpA) effluoroheptanoic acid (PFHpA)	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene ickel intMO intMO intMO intMO intMO intAmplified intAmplifi	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
aphthalene icitel Intity Int	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL
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aphthalmen (cicle Intito) (cicle Intito) Intito Inti	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 114-26-1 103-65-1 7782-49-2 7440-22-4 630-26-6 127-18-4 7440-28-0**	2.72E+00 5.23E+03 NA 4.84E-01 NA 1.32E+00 2.38E+01 NA	2,24E-02 9,40E-02 3,70E-03 2,37E-02 1,22E-02 5,13E-01 1,22E-00 1,22E-00 1,22E-00 1,22E-00 1,22E-00 2,43E-02 2,53E-02 3,66E-02 2,10E-03 1,13E-02 2,13E-02 2,37E-02 2,13E-02 2,1		Analyte conc. < RI. Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyteconc. R.R. Analyteconc. R.R. Analyteconc. R.R. Analyteconc. R.R. Analyteconc. C.R. Analyteconc.
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aphthalene lickel stack of the standard of th	91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 133-67-1 103-65-1 7782-49-2 40-02-4 630-02-6 127-18-4 7440-28-0** 108-88-3 79-01-6	2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA NA NA NA NA NA NA NA NA	2,24E-02 9,40E-02 3,70E-03 2,37E-02 1,22E-02 5,13E-01 1,22E-00 1,22E-00 1,22E-00 1,22E-00 1,22E-00 1,22E-00 2,43E-02 2,53E-02 3,66E-02 2,17E-02 2,17E-02 1,13E-02 1,1		Analyte conc. < RI. Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyteconc - Rt.
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inalyte	CASRN	*RB-RSV _{cs} (mg/kg)	bRB-RSV _n (mg/kg)	Sample Concentration (mg/kg)	Calculated Sample ILCR (unitless)	Calculated Sample HQ (unitless)
3,7,8-TCDD TEQ ^c	1746-01-6*	2.25E-06	4.91E-05	(116/16/	Analyte conc. < RL	Analyte conc. < RL
P-TE ^d	-	7.28E-02	NA		Analyte conc. < RL	No noncancer RB-RS
enzo(a)pyrene"	50-32-8	NA	1.72E+01		Included in BaP-TE	Analyte conc. < RL
otal PCBs ^f	1336-36-3	1.14E-01	1.13E+00		Analyte conc. < RL	Analyte conc. < RL
cetochlor	34256-82-1	NA	1.22E+03		No cancer RB-RSV	Analyte conc. < RL
cetone	67-64-1	NA NA	4.06E+04		No cancer RB-RSV	Analyte conc. < RL
lachlor	15972-60-8	NA NA	6.08E+01		No cancer RB-RSV	Analyte conc. < RL
ldrin	309-00-2	2.02E-02	2.10E+00		Analyte conc. < RL	Analyte conc. < RL
luminum	7429-90-5	NA.	7.25E+04		No cancer RB-RSV	Analyte conc. < RL
intimony	7440-36-0	NA.	2.60E+01		No cancer RB-RSV	Analyte conc. < RL
arium	7440-39-3	NA NA	1.12E+04		No cancer RB-RSV	Analyte conc. < RL
enomyl	17804-35-2	1.16F+02	7 90F+02		Analyte conc. < RL	Analyte conc. < RL
enzene	71-43-2	6.98E-01	1.11E+02		Analyte conc. < RL	Analyte conc. < RL
eryllium	7440-41-7	5.67E+02	3.45E+01		Analyte conc. < RL	Analyte conc. < RL
is(2-chloro-1-methyl ethyl)ether	108-60-1	NA NA	2.80E+03		No cancer RB-RSV	Analyte conc. < RL
oron	7440-42-8	NA NA	1.47F+04		No cancer RB-RSV	Analyte conc. < RL
romate	15541-45-4	5.36E-01	2.93E+02		Analyte conc. < RL	Analyte conc. < RL
romochloromethane	74-97-5	NA NA	1.93E+02		No cancer RB-RSV	Analyte conc. < RL
	1689-84-5	2.69E+00	9.12E+02		Analyte conc. < RL	Analyte conc. < RL
romoxynii utvlbenzene. n-	1089-84-5	2.69E+00 NA	3.50F+03		No cancer RR-RSV	Analyte conc. < Rt
utylbenzene, sec-	135-98-8	NA NA	7.01E+03		No cancer RB-RSV	Analyte conc. < RL
utylbenzene, tert-	98-06-6	NA	7.01E+03	_	No cancer RB-RSV	Analyte conc. < RL
admium (food)	7440-43-9	7.56E+02	6.86E+00		Analyte conc. < RL	Analyte conc. < RL
arbaryl	63-25-2	3.17E+02	6.08E+03		Analyte conc. < RL	Analyte conc. < RL
arbon Disulfide	75-15-0	NA NA	6.08E+02		No cancer RB-RSV	Analyte conc. < RL
arbon tetrachloride	56-23-5	3.72E-01	1.30E+02		Analyte conc. < RL	Analyte conc. < RL
hlorobenzene	108-90-7	NA NA	4.14E+02		No cancer RB-RSV	Analyte conc. < RL
hromium (III) (insoluble salts)	16065-83-1	NA	4.02E+04		No cancer RB-RSV	Analyte conc. < RL
hromium (VI)	18540-29-9	9.06E-02	1.16E+02		Analyte conc. < RL	Analyte conc. < RL
obalt	7440-48-4	1.51E+02	2.19E+01		Analyte conc. < RL	Analyte conc. < RL
opper	7440-50-8	NA NA	1.04E+04		No cancer RB-RSV	Analyte conc. < RL
i (2-ethylhexyl) phthalate	117-81-7	1.98E+01	1.22E+03		Analyte conc. < RL	Analyte conc. < RL
Ibromochloropropane	96-12-8	6.00E-03	6.63E+00		Analyte conc. < RL	Analyte conc. < RL
libromoethane, 1,2-	106-93-4	2.27E-02	1.15E+02		Analyte conc. < RL	Analyte conc. < RL
lichloroethane, 1,1-	75-34-3	2.10E+00	1.40E+04		Analyte conc. < RL	Analyte conc. < RL
lichloroethane, 1,2-	107-06-2	2.85E-01	4 95F+01		Analyte conc. < RL	Analyte conc. < RL
lichloroethylene, cis 1,2-	156-59-2	NA NA	1.40E+02		No cancer RB-RSV	Analyte conc. < RL
lichloroethylene, trans 1,2-	156-60-5	NA NA	1.40E+03		No cancer RB-RSV	Analyte conc. < RL
Dichloropropane, 1.2-	78-87-5	1.51E+00	2.63E+01		Analyte conc. < RL	Analyte conc. < RL
Dioxane, 1,4-	123-91-1	2.78E+00	1.05E+03		Analyte conc. < RL	Analyte conc. < RL
Ethylbenzene	100-41-4	3.68E+00	4.45E+02		Analyte conc. < RL	Analyte conc. < RL
luoranthene	206-44-0	NA NA	2.30E+03	1.50E-02	No cancer RB-RSV	6.52E-06
luorene	86-73-7	NA NA	2.30E+03	1.500 02	No cancer RB-RSV	Analyte conc. < RL
lexachlorobenzene	118-74-1	1.31F-01	5.61F+01		Analyte conc. < RL	Analyte conc. < RL
lexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4.60E+00	2.90E+02		Analyte conc. < RL	Analyte conc. < RL
Hydrogen cyanide	74-90-8	NA NA	4.91E+01		No cancer RB-RSV	Analyte conc. < RL
ron	7439-89-6	NA NA	5.13E+04		No cancer RB-RSV	Analyte conc. < RL
	98-82-8	NA NA	2.56E+02		No cancer RB-RSV	Analyte conc. < RL
					No cancer RB-RSV	Analyte conc. < RL
	7420 06 5					
sopropylbenzene (cumene) Manganese (non-diet)	7439-96-5	NA NA	1.12E+03			A DI
Manganese (non-diet) Mercury (elemental)	7439-97-6	NA	3.13E+00		No cancer RB-RSV	Analyte conc. < RL
Manganese (non-diet) Mercury (elemental) Methyl ethyl ketone	7439-97-6 78-93-3	NA NA	3.13E+00 1.70E+04		No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
Manganese (non-diet) Mercury (elemental) Methyl ethyl ketone Methyl tert-butyl ether (MTBE)	7439-97-6 78-93-3 1634-04-4	NA NA NA	3.13E+00 1.70E+04 6.49E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
Manganese (non-diet) Aercury (elemental) Aethyl ethyl ketone Aethyl tert-butyl ether (MTBE) Aolybdenum	7439-97-6 78-93-3 1634-04-4 7439-98-7	NA NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
Aanganese (non-diet) Mercury (elemental) Methyl ethyl ketone Methyl tet-butyl ether (MTBE) Molybdenum Japhthalene	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3	NA NA NA NA 2.72E+00	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL	Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL
danganses (non-diet) fectury (elemental) fethyl ethyl ketone fethyl tert-butyl ether (MTBE) folybdenum aphthalene lickel	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0	NA NA NA NA 2.72E+00 5.23E+03	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV An alyte conc. < RL Analyte conc. < RL	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
Anganese (non-diet) fectury (elemental) fethyl ethyl ketone fethyl tert-butyl ether (MTBE) folkyldenum laphthalene lickel	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0	NA NA NA NA 2.72E+00 5.23E+03 NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
Anaganese (non-diet) Mercury (elemental) Hethyl ethyl ketone Hethyl tethyl ketone Hethyl teth-butyl ether (MTBE) folybdenum aphthalene icickel iHAO)	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5	NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
Anaganese (non-diet) fectury (elemental) fectuly eithy ketone fectuly eithy ketone fectly tert-burly either (MTBE) folybdenum aphthulene lickel film film entachlorophenol entacythriot tetranitrate (PETN)	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
Anaganses (non-diet) Methyl dethyl ketone Methyl tert-butyl ether (MTBE) Mohyldenum Jaiphthalene Lickel MIMX) ethickly (MTBE) MIMX) ethickly (MTBE)	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA NA NA NA 2.72±+00 5.23E+03 NA 4.84E-01 NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL	Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL Analyteconc. < RL
Anganese (non-diet) feetury (elemental) feethy det buy ketone feethy ters buy etene folybdenum apphthalene (cief item) folybdenum apphthalene cief etene folybene fo	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
Anaganese (non-diet) feetury (elementa) lethyi ethyi ketone lethyi ethyi ketone lethyi ethyi eth	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5	NA NA NA NA 2.72±+00 5.23E+03 NA 4.84E-01 NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. RL Analyte conc. RL No cancer RB-RSV Analyte conc. RL No cancer RB-RSV Analyte conc. RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL
Anganese (non-diet) feetny (ethneral) feetny ethy ketone feetny (ethneral) feetny ethy terbourd folydenum aphthalene ickel MAX) metachiorophenol entachiorophenol entachiorophenol entachorophenol entachorophenol entachorophenol entachorophenol entachorophenol entachorophenol	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9	NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00		No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV	Analyte conc. < RL Analyte conc. < RL
Anaganese (non-diet) feetury (elemental) kethyi ethyi ketone kethyi terbubyi ether kethyi terbubyi ether kohyi ketone kohyi ether kohyi et	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1	NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RL
Anaganese (non-diet) Aretruy (elementa) Aethyl ethyl ketone Aethyl ethyl ketone Aethyl ethyl ethyl ethyl Alphyl ethyl Alphyl ethyl Alphyl ethyl Alphyl ethyl Alphyl	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4	NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA	3.13E+00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 5.13E+01 1.22E+00 1.22E+00 1.22E+00		No cancer RB-RSV Analyte conc. <ri <ri="" analyte="" cancer="" conc.="" no="" rb-rsv="" rb-rsv<="" td=""><td>Analyte conc. e Rt. Analyte conc. s Rt.</td></ri>	Analyte conc. e Rt. Analyte conc. s Rt.
Anaganese (non-diet) feetury (elementa) lethyi ethyi ketone tehtyi teri-buty (ehte (MTBE) töhybdenum aphthalene lickel inki) entachilotophenol entachilotoph	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1	NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA NA NA NA NA	3.13E-00 1.70E+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 2.37E+02 1.22E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RL Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. < RI.
Anaganses (non-diet) Aretry (ethy) ketone Aretry (ethy) ketone Arethy (ethy) ketone Arethy (ethy) ethy (MTBE) Afolybdenum Apphthal (eth) Apphthal (eth) Aretry Aret	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1	NA NA NA NA 2.72E400 5.23E403 NA 4.84E41 NA NA NA NA NA NA NA NA NA NA NA NA NA	3.13+00 1.70±04 6.49±02 3.66±02 2.24±02 9.40±02 3.70±03 1.27±02 1.22±02 1.22±00 1.22±00 1.22±00 1.22±00 1.22±00 1.22±00 1.22±00 1.22±00 2.43±02		No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. Analyte conc. < RI. Analyte conc. < RI.	Analyte conc. e Rt. Analyte conc. e Rt. Analyte conc. < Rt.
Anaganese (non-diet) feetury (elemental) techyi ethyi ketone techyi teri-buty (ether (MTBE) töhybdenum aphthulene lickel tikol entachiorophenol entachiorophenol entachythroit tetranitrate (PETN) exchlorate effluoronchanoic acid (PFHA) effluoronchan	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 740-02-0 2691-41-0 87-95-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 335-67-1 114-26-1 103-65-1	NA NA NA NA NA NA NA 2.72E+00 5.23E+03 NA 4.84E-01 NA	3.13E-00 1.70E-04 6.49E-02 3.66E402 2.24E-02 9.40E-02 3.70E-03 2.37E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 2.53E-02		No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV Analyte conc. < RL No cancer RB-RSV	Analyte conc. e. Rt.
Anaganese (non-diet) Aretry de Hy ketone Aretry (ethernata) Aretry de Hy ketone Aretry (ethernata) Aretry de Hy ketone Aretry (ethernata) Aretry (7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 1763-23-1 114-26-1 103-65-1 17782-49-2	NA N	3.13+00 1.705+04 6.49E+02 3.66E+02 2.24E+02 9.40E+02 3.70E+03 1.27E+02 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 1.22E+00 2.43E+02 2.53E+02 3.66E+02		No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV	Analyte cone. e Rt.
Anaganese (non-diet) ferecury (elemental) lethyi ethyi ketone tethyi teri-buty iether (MTBE) folybdenum aphthalene lickel idel mission (in the mission of th	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 887-86-5 78-11-5 14797-73-0 375-85-9 375-85-9 375-95-1 1763-23-1 335-67-1 1142-61 103-65-1 7782-49-2 7440-22-4	NA 4.84E-01 NA	3.134-00 1.705-04 6.495-02 3.665-02 2.245-02 9.405-02 3.705-03 2.375-02 1.225-02 1.225-00 1.235-02 1.255-02 1.255-02 1.255-02 1.255-02		No cancer Re-RSY Analyte conc. c Rt. Analyte conc. c Rt. No cancer Re-RSY	Analyte conc. Rt. Analyte conc
Anaganese (non-diet) Aretry (ethy) ketone Bickle Bickle History Aretry (ethy) A	7439-97-6 78-93-3 1634-04-4 7439-98-7 91:20-3 7440-02-0 2691-410-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-95-1 1763-23-1 114-26-1 103-65-1 7782-49-2 7440-22-4 560-20-6	NA NA NA NA NA NA 2.72±00 5.33±03 NA 4.84±01 NA	3.134-00 1.705-04 6.49E-02 3.66E-02 2.24E-02 9.40E+02 3.705-03 2.37E-02 1.22E-00 1.22E-00 1.22E-00 1.22E-00 1.22E-00 2.43E-02 2.53E-02 2.37E-02		No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV Analyte conc. < RI. No cancer Re-RSV	Analyte con . C R. Analyte . C R.
Anaganese (non-diet) deretury (elemental) dethyt dethy ketone dethyt derbyt ethyt ether (MTBE) dolphdenum apaphtulene lickel Hithol entachlorophenol entacyhtroit letranitrate (PETN) erchlorate effluorohephanoi exid (PFHA) effluoroheane sulfonic acid (PFHA) effluoroheane sulfonic acid (PFHA) effluorontanese cid (PFHA)	7439-97-6 78-93-3 1634-04-4 7439-98-7 91:20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 375-85-9 375-85-1 114-26-1 103-65-1 114-26-1 103-65-1 7782-49-2 630-20-6 530-20-6 127-18-4	NA N	3.134-00 1.705-04 6.495-02 3.6664-02 3.6664-02 9.405-02 9.405-02 9.405-02 1.225-02 1.225-02 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.225-00 1.235-02 1.355-02 1.355-02 1.355-02 1.355-02		No cancer Re-RSY Analyte conc. < RI. Analyte conc. < RI. No cancer Re-RSY Analyte conc. < RI.	Analyte conc. eR.
Anganese (non-diet) tectury (elemental) tethy dethy letone tethy test buty ether (MTBE) tohyddenum aphthalene aphthalene lickel HMX) entacythorophenol entacythirtol tetranitrate (PETN) erchlorate enfluoroheptanoic acid (PFHA) ropowr (Baygon) ropy betarene, n- eleelnium liver etrachloroethane, 1,1,1,2- etrachloroethylene halitum (soluble Thallium)	7439-97-6 78-93-3 1634-04-4 7439-98-7 91-20-3 7440-02-0 2691-41-0 87-86-5 78-11-5 14797-73-0 375-85-9 355-46-4 375-93-1 114-26-1 103-65-1 1763-23-1 335-67-1 114-26-1 103-65-1 7782-49-2 7440-22-4 7440-22-4 7440-22-4	NA NA NA NA NA 2.72±-00 5.32±-03 NA 4.88±-01 NA	3.134-00 1.705404 6.495402 3.665402 2.246402 9.405402 2.375402 3.705403 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 1.224-00 1.234-01 1.244-02 2.376-02 2.386-		No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV Analyte conc. < RI. No cancer RB-RSV	Analyte conc. e.R.
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professional laboratory and drilling services

Angela Emerson LE Environmental LLC 21 North Main Street #1 Waterbury, VT 05676



Laboratory Report for:

Eastern Analytical, Inc. ID: 244364

Client Identification: Pigeon Property | 19-138

Date Received: 6/10/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

< : "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R: % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

I orraine Olashaw Lah Director

securie Olashaw

6.16.22

SAMPLE CONDITIONS PAGE



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Temperature upon receipt (°C): 2.5

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/ ⁻ Sam		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
244364.01	SB-122	6/10/22	6/8/22	11:00	soil	79.5	Adheres to Sample Acceptance Policy
244364.02	SB-123	6/10/22	6/8/22	10:00	soil	75.8	Adheres to Sample Acceptance Policy
244364.03	SB-124	6/10/22	6/8/22	09:00	soil	85.1	Adheres to Sample Acceptance Policy
244364.04	SB-125	6/10/22	6/8/22	10:50	soil	68.0	Adheres to Sample Acceptance Policy
244364.05	SB-126	6/10/22	6/8/22	09:45	soil	78.5	Adheres to Sample Acceptance Policy
244364.06	SB-127	6/10/22	6/8/22	08:50	soil	84.7	Adheres to Sample Acceptance Policy
244364.07	SB-128	6/10/22	6/8/22	10:40	soil	75.9	Adheres to Sample Acceptance Policy
244364.08	SB-129	6/10/22	6/8/22	09:35	soil	79.4	Adheres to Sample Acceptance Policy
244364.09	SB-130	6/10/22	6/8/22	08:35	soil	82.0	Adheres to Sample Acceptance Policy
244364.1	SB-131	6/10/22	6/8/22	10:30	soil	73.6	Adheres to Sample Acceptance Policy
244364.11	SB-132	6/10/22	6/8/22	09:20	soil	76.4	Adheres to Sample Acceptance Policy
244364.12	SB-133	6/10/22	6/8/22	10:20	soil	73.4	Adheres to Sample Acceptance Policy
244364.13	Duplicate	6/10/22	6/8/22	09:00	soil	86.7	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.

EALID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-122				
.ab Sample ID:	244364.01				
/latrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Jnits	mg/kg				
Method	8270D				
Analyst	JMR	5 11 ()			
•	Results	Dilution Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0.009	1	6/13/22		
-Methylnaphthalene	< 0.009	1	6/13/22		
-Methylnaphthalene	< 0.009	1	6/13/22		
cenaphthylene	0.026	1	6/13/22		
cenaphthene	< 0.009	1	6/13/22		
luorene	< 0.009	1	6/13/22		
henanthrene	0.090	1	6/13/22		
nthracene	0.022	1	6/13/22		
luoranthene	0.25	1	6/13/22		
yrene	0.20	1	6/13/22		
enzo[a]anthracene	0.11	1	6/13/22	0.1	.011
hrysene	0.13	1	6/13/22	0.001	.00013
enzo[b]fluoranthene	0.17	1	6/13/22	0.1	.017
enzo[k]fluoranthene	0.070	1	6/13/22	0.01	.0007
enzo[a]pyrene	0.14	1	6/13/22	1	.14
deno[1,2,3-cd]pyrene	0.090	1	6/13/22	0.1	.009
ibenz[a,h]anthracene	0.015	1	6/13/22	1	.015
enzo[g,h,i]perylene	0.083	1	6/13/22		
-Terphenyl-D14 (surr)	64 %R		6/13/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-123				
Lab Sample ID:	244364.02				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg				
Method	8270D				
Analyst	JMR	Dilution			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0.009	1 .	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
enaphthylene	0.021	1	6/14/22		
enaphthene	< 0.009	1	6/14/22		
ıorene	< 0.009	1	6/14/22		
enanthrene	0.059	1	6/14/22		
thracene	0.019	1	6/14/22		
oranthene	0.30	1	6/14/22		
rene	0.27	1	6/14/22		
nzo[a]anthracene	0.14	1	6/14/22	0.1	.014
nrysene	0.15	1	6/14/22	0.001	.00015
nzo[b]fluoranthene	0.19	1	6/14/22	0.1	.019
nzo[k]fluoranthene	0.072	1	6/14/22	0.01	.00072
nzo[a]pyrene	0.16	1	6/14/22	1	.16
leno[1,2,3-cd]pyrene	0.12	1	6/14/22	0.1	.012
penz[a,h]anthracene	0.022	1	6/14/22	1	.022
enzo[g,h,i]perylene	0.12	1	6/14/22		
-Terphenyl-D14 (surr)	56 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-124				
Lab Sample ID:	244364.03				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg				
Method	8270D				
Analyst	JMR	Dilution			
	Results	Factor	Date Analyzed	TEF	TEQ
laphthalene	< 0.008	1	6/14/22		
-Methylnaphthalene	< 0.008	1	6/14/22		
-Methylnaphthalene	< 0.008	1	6/14/22		
cenaphthylene	0.015	1	6/14/22		
cenaphthene	< 0.008	1	6/14/22		
luorene	0.0087	1	6/14/22		
henanthrene	0.11	1	· 6/14/22		
nthracene	0.011	1	6/14/22		
luoranthene	0.15	1	6/14/22		
yrene	0.13	1	6/14/22		
enzo[a]anthracene	0.062	1	6/14/22	0.1	.0062
Chrysene	0.070	1	6/14/22	0.001	.00007
enzo[b]fluoranthene	0.077	1	6/14/22	0.1	.0077
enzo[k]fluoranthene	0.027	1	6/14/22	0.01	.00027
enzo[a]pyrene	0.067	1	6/14/22	1	.067
deno[1,2,3-cd]pyrene	0.047	1	6/14/22	0.1	.0047
ibenz[a,h]anthracene	0.0095	1	6/14/22	1	.0095
Benzo[g,h,i]perylene	0.044	1	6/14/22		
o-Terphenyl-D14 (surr)	62 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-125				
ab Sample ID:	244364.04				
atrix:	soil				
ate Sampled:	6/8/22				
ate Received:	6/10/22				
ate Prepared:	6/13/22				
nits	mg/kg				
lethod	8270D		•		
nalyst	JMR	D.11 - (1)			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
phthalene	< 0.01	1	6/14/22		
/lethylnaphthalene	< 0.01	1	6/14/22		
lethylnaphthalene	< 0.01	1	6/14/22		
enaphthylene	< 0.01	1	6/14/22		
enaphthene	< 0.01	1	6/14/22		
orene	< 0.01	1	6/14/22		
enanthrene	0.020	1	6/14/22		
hracene	< 0.01	1	6/14/22		
oranthene	0.042	1	6/14/22		
ene	0.035	1	6/14/22		
nzo[a]anthracene	0.017	1	6/14/22	0.1	.0017
ysene	0.019	· 1	6/14/22	0.001	.000019
nzo[b]fluoranthene	0.025	1	6/14/22	0.1	.0025
nzo[k]fluoranthene	0.011	1	6/14/22	0.01	.00011
zo[a]pyrene	0.021	1	6/14/22	1	.021
eno[1,2,3-cd]pyrene	0.017	1	6/14/22	0.1	.0017
enz[a,h]anthracene	< 0.01	1	6/14/22	1	< .01
nzo[g,h,i]perylene	0.016	1	6/14/22		
Ferphenyl-D14 (surr)	59 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

ient Sample ID:	SB-126				
b Sample ID:	244364.05				
atrix:	soil				
ate Sampled:	6/8/22				
te Received:	6/10/22				
te Prepared:	6/13/22				
its	mg/kg				
ethod	8270D				
alyst	JMR	Dilution			
	Results	Factor	Date Analyzed	TEF	TEQ
nthalene	< 0.009	1	6/14/22		
ethylnaphthalene	< 0.009	1	6/14/22		
ethylnaphthalene	< 0.009	1	6/14/22		
naphthylene	0.022	1	6/14/22		
naphthene	< 0.009	1	6/14/22		
prene	< 0.009	1	6/14/22		
nanthrene	0.011	1	6/14/22		
racene	< 0.009	1	6/14/22		
ranthene	0.051	1	6/14/22		
ne	0.078	1	6/14/22		
zo[a]anthracene	0.047	1	6/14/22	0.1	.0047
/sene	0.055	1	6/14/22	0.001	.000055
o[b]fluoranthene	0.049	1	6/14/22	0.1	.0049
o[k]fluoranthene	0.019	1	6/14/22	0.01	.00019
o[a]pyrene	0.055	1	6/14/22	1	.055
o[1,2,3-cd]pyrene	0.026	1	6/14/22	0.1	.0026
nz[a,h]anthracene	< 0.009	1	6/14/22	1	< .009
zo[g,h,i]perylene	0.025	1	6/14/22		
erphenyl-D14 (surr)	68 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene

EAIID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-127				
Lab Sample ID:	244364.06				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg	•			
Method	8270D				
Analyst	JMR				
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
			· · · · · · · · · · · · · · · · · · ·	165	ILW
Naphthalene	< 0.008	.1	6/14/22		
2-Methylnaphthalene	< 0.008	1	6/14/22		
I-Methylnaphthalene	< 0.008	1	6/14/22		
Acenaphthylene	< 0.008	1	6/14/22		
Acenaphthene	< 0.008	1	6/14/22		
luorene	< 0.008	1	6/14/22		
Phenanthrene	< 0.008	1	6/14/22		
Anthracene .	< 0.008	1	6/14/22		
luoranthene	0.014	1	6/14/22		
Pyrene	0.012	1	6/14/22		
Benzo[a]anthracene	0.0087	1	6/14/22	0.1	.00087
Chrysene	< 0.008	1	6/14/22	0.001	< .00000
Benzo[b]fluoranthene	0.0085	1	6/14/22	0.1	.00085
Benzo[k]fluoranthene	< 0.008	1	6/14/22	0.01	< .00008
Benzo[a]pyrene	< 0.008	1	6/14/22	1	< .008
ndeno[1,2,3-cd]pyrene	< 0.008	1	6/14/22	0.1	< .0008
Dibenz[a,h]anthracene	< 0.008	1	6/14/22	1	< .008
Benzo[g,h,i]perylene	< 0.008	1	6/14/22		
p-Terphenyl-D14 (surr)	69 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-128				
Lab Sample ID:	244364.07				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg				
Method	8270D				
Analyst	JMR	Ph.11 (1			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
laphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
cenaphthylene	< 0.009	1	6/14/22		
cenaphthene	< 0.009	1	6/14/22		
uorene	< 0.009	1	6/14/22		
nenanthrene	0.013	1	6/14/22		
nthracene	< 0.009	1	6/14/22		
uoranthene	0.020	1	6/14/22		
rene	0.017	1	6/14/22		
enzo[a]anthracene	0.0093	1	6/14/22	0.1	.00093
hrysene	< 0.009	1	6/14/22	0.001	< .00000
enzo[b]fluoranthene	0.0092	1	6/14/22	0.1	.00092
enzo[k]fluoranthene	< 0.009	1	6/14/22	0.01	< .00009
enzo[a]pyrene	< 0.009	1	6/14/22	1	< .009
deno[1,2,3-cd]pyrene	< 0.009	1	6/14/22	0.1	< .0009
benz[a,h]anthracene	< 0.009	1	6/14/22	1	< .009
enzo[g,h,i]perylene	< 0.009	1	6/14/22		
-Terphenyl-D14 (surr)	55 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-129				,
Lab Sample ID:	244364.08				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Jnits	mg/kg				
Method	8270D				
Analyst	JMR	5 0.0			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
enaphthylene	0.0099	1	6/14/22		
enaphthene	< 0.009	1	6/14/22		
iorene	< 0.009	1	6/14/22		
enanthrene	0.036	1	6/14/22		
thracene	< 0.009	1	6/14/22		
ıoranthene	0.074	1	6/14/22		
rene	0.071	1	6/14/22		
enzo[a]anthracene	0.040	1	6/14/22	0.1	.004
nrysene	0.045	1	6/14/22	0.001	.000045
enzo[b]fluoranthene	0.064	1	6/14/22	0.1	.0064
nzo[k]fluoranthene	0.023	1	6/14/22	0.01	.00023
nzo[a]pyrene	0.053	1	6/14/22	1	.053
leno[1,2,3-cd]pyrene	0.037	1	6/14/22	0.1	.0037
benz[a,h]anthracene	< 0.009	1	6/14/22	1	< .009
enzo[g,h,i]perylene	0.033	1	6/14/22		
-Terphenyl-D14 (surr)	59 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: **244364**

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-130				
Lab Sample ID:	244364.09				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg				
Method	8270D				
Analyst	JMR				
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0.008	1	6/14/22		
Methylnaphthalene	< 0.008	1	6/14/22		•
Methylnaphthalene	< 0.008	1	6/14/22		
cenaphthylene	< 0.008	1	6/14/22		
cenaphthene	< 0.008	1	6/14/22		
uorene	< 0.008	1	6/14/22		
nenanthrene	< 0.008	1	6/14/22		
nthracene	< 0.008	1	6/14/22		
uoranthene	0.013	1	6/14/22		
yrene	0.012	1	6/14/22		
enzo[a]anthracene	0.0088	1	6/14/22	0.1	.00088
hrysene	< 0.008	1	6/14/22	0.001	< .00000
enzo[b]fluoranthene	0.0091	1	6/14/22	0.1	.00091
nzo[k]fluoranthene	< 0.008	1	6/14/22	0.01	< .00008
nzo[a]pyrene	< 0.008	1	6/14/22	1	< .008
deno[1,2,3-cd]pyrene	< 0.008	1	6/14/22	0.1	< .0008
benz[a,h]anthracene	< 0.008	1	6/14/22	1	< .008
enzo[g,h,i]perylene	< 0.008	1	6/14/22		
-Terphenyl-D14 (surr)	63 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAIID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-131				AV
Lab Sample ID:	244364.1				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Units	mg/kg				
Method	8270D				
Analyst	JMR				
•	Results	Dilution Factor	Date Analyzed	TEF	TEQ
Naphthalene	< 0.01	1	6/14/22	1 1-1	🔾
-Methylnaphthalene	< 0.01 < 0.01	1	6/14/22		
Methylnaphthalene	< 0.01	1	6/14/22		
cenaphthylene	< 0.01	1	6/14/22		
cenaphthene	< 0.01	1	6/14/22		
uorene	< 0.01	1	6/14/22		
nenanthrene	< 0.01	1	6/14/22		
nthracene	< 0.01	1	6/14/22		
uoranthene	0.012	1	6/14/22		
vrene	0.010	1	6/14/22		
enzo[a]anthracene	< 0.01	1	6/14/22	0.1	< .001
hrysene	< 0.01	1	6/14/22	0.001	< .00001
enzo[b]fluoranthene	< 0.01	1	6/14/22	0.1	< .001
enzo[k]fluoranthene	< 0.01	1	6/14/22	0.01	< .0001
enzo[a]pyrene	< 0.01	1	6/14/22	1	< .01
deno[1,2,3-cd]pyrene	< 0.01	1	6/14/22	0.1	< .001
benz[a,h]anthracene	< 0.01	1	6/14/22	-1	< .01
enzo[g,h,i]perylene	< 0.01	1	6/14/22		
-Terphenyl-D14 (surr)	54 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAIID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	SB-132				
ab Sample ID:	244364.11				
latrix:	soil				
Date Sampled:	6/8/22				
Pate Received:	6/10/22				
ate Prepared:	6/13/22				
Inits	mg/kg				
/lethod	8270D			•	
nalyst	JMR	D :: 4:			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
phthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
1ethylnaphthalene	< 0.009	1	6/14/22		
enaphthylene	< 0.009	1	6/14/22		
enaphthene	< 0.009	1	6/14/22		
orene	< 0.009	1	6/14/22		
enanthrene	0.024	1	6/14/22		
hracene	< 0.009	1	6/14/22		
oranthene	0.041	1	6/14/22		
rene	0.034	1	6/14/22		
nzo[a]anthracene	0.015	1	6/14/22	0.1	.0015
rysene	0.017	1	6/14/22	0.001	.000017
nzo[b]fluoranthene	0.021	1	6/14/22	0.1	.0021
nzo[k]fluoranthene	< 0.009	1	6/14/22	0.01	< .00009
zo[a]pyrene	0.017	1	6/14/22	1	.017
eno[1,2,3-cd]pyrene	0.012	1	6/14/22	0.1	.0012
enz[a,h]anthracene	< 0.009	1	6/14/22	1	< .009
enzo[g,h,i]perylene	0.010	1	6/14/22		
Terphenyl-D14 (surr)	62 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAI ID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

	·.				
Client Sample ID:	SB-133				
ab Sample ID:	244364.12				
latrix:	soil				
Date Sampled:	6/8/22				
Pate Received:	6/10/22				
ate Prepared:	6/13/22				
Jnits	mg/kg				
Viethod	8270D				
Analyst	JMR	5 0 (1)			
	Results	Dilution Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0,009	1	6/14/22		
Viethylnaphthalene	< 0.009	1	6/14/22		
Methylnaphthalene	< 0.009	1	6/14/22		
enaphthylene	< 0.009	1	6/14/22		
enaphthene	< 0.009	1	6/14/22		
orene	< 0.009	1	6/14/22		
enanthrene	< 0.009	1	6/14/22		
hracene	< 0.009	1	6/14/22		
oranthene	0.012	1	6/14/22		
rene	0.011	1	6/14/22		
nzo[a]anthracene	< 0.009	1	6/14/22	0.1	< .0009
nrysene	< 0.009	1	6/14/22	0.001	< .00000
enzo[b]fluoranthene	< 0.009	1	6/14/22	0.1	< .0009
nzo[k]fluoranthene	< 0.009	1	6/14/22	0.01	< .00009
nzo[a]pyrene	< 0.009	1	6/14/22	1	< .009
eno[1,2,3-cd]pyrene	< 0.009	. 1	6/14/22	0.1	< .0009
penz[a,h]anthracene	< 0.009	1	6/14/22	1	< .009
enzo[g,h,i]perylene	< 0.009	1	6/14/22		
Terphenyl-D14 (surr)	54 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene



EAIID#: 244364

Client: LE Environmental LLC

Client Designation: Pigeon Property | 19-138

Client Sample ID:	Duplicate				
Lab Sample ID:	244364.13				
Matrix:	soil				
Date Sampled:	6/8/22				
Date Received:	6/10/22				
Date Prepared:	6/13/22				
Jnits	mg/kg				
Method	8270D				
nalyst	JMR	Dilution			
	Results	Factor	Date Analyzed	TEF	TEQ
aphthalene	< 0.008	1	6/14/22		
Methylnaphthalene	< 0.008	1	6/14/22		
Methylnaphthalene	< 0.008	1	6/14/22		
enaphthylene	< 0.008	1	6/14/22		
enaphthene	< 0.008	1	6/14/22		
iorene	< 0.008	1	6/14/22		
enanthrene	< 0.008	1	6/14/22		
nthracene	< 0.008	1	6/14/22		
oranthene	0.015	1	6/14/22		
rene	0.016	1	6/14/22		
enzo[a]anthracene	0.0098	1	6/14/22	0.1	.00098
nrysene	0.0098	1	6/14/22	0.001	.0000098
enzo[b]fluoranthene	0.012	1	6/14/22	0.1	.0012
nzo[k]fluoranthene	< 0.008	1	6/14/22	0.01	< .00008
nzo[a]pyrene	0.0097	1	6/14/22	1	.0097
eno[1,2,3-cd]pyrene	< 0.008	1	6/14/22	0.1	< .0008
penz[a,h]anthracene	< 0.008	1	6/14/22	1	< .008
enzo[g,h,i]perylene	< 0.008	1	6/14/22		
-Terphenyl-D14 (surr)	65 %R		6/14/22		

TEF: Toxicity Equivalent Factor

TEQ: Toxicity Equivalence to Benzo[a]pyrene

QC REPORT



Client: LE Environmental LLC

Batch ID: 637907-02369/S061322PAH1

EAI ID#: **244364**

Client Designation: Pigeon Property | 19-138

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Naphthalene	< 0.007	1.1 (67 %R)	1.1 (66 %R) (2 RPD	6/13/2022	mg/kg	40 - 140	30	8270D
2-Methylnaphthalene	< 0.007	1.2 (74 %R)	1.2 (72 %R) (2 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
1-Methylnaphthalene	< 0.007	1.2 (71 %R)	1.2 (69 %R) (2 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Acenaphthylene	< 0.007	1.2 (71 %R)	1.2 (70 %R) (2 RPD	6/13/2022	mg/kg	40 - 140	30	8270D
Acenaphthene	< 0.007	1.2 (71 %R)	1.1 (69 %R) (2 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Fluorene	< 0.007	1.3 (78 %R)	1.3 (76 %R) (2 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Phenanthrene	< 0.007	1.3 (78 %R)	1.3 (75 %R) (3 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Anthracene	< 0.007	1.3 (80 %R)	1.3 (77 %R) (3 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Fluoranthene	< 0.007	1.3 (79 %R)	1.3 (76 %R) (3 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Pyrene	< 0.007	1.3 (79 %R)	1.3 (78 %R) (1 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Benzo[a]anthracene	< 0.007	1.3 (76 %R)	1.2 (74 %R) (4 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Chrysene	< 0.007	1.3 (80 %R)	1.3 (79 %R) (1 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Benzo[b]fluoranthene	< 0.007	1.3 (80 %R)	1.3 (77 %R) (4 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Benzo[k]fluoranthene	< 0.007	1.4 (81 %R)	1.3 (80 %R) (1 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Benzo[a]pyrene	< 0.007	1.3 (78 %R)	1.3 (76 %R) (3 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Indeno[1,2,3-cd]pyrene	< 0.007	1.4 (82 %R)	1.3 (78 %R) (5 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Dibenz[a,h]anthracene	< 0.007	1.4 (82 %R)	1.3 (77 %R) (7 RPD) 6/13/2022	mg/kg	40 - 140	30	8270D
Benzo[g,h,i]perylene	< 0.007	1.3 (79 %R)	1.3 (76 %R) (4 RPD		mg/kg	40 - 140	30	8270D
p-Terphenyl-D14 (surr)	68 %R	78 %R	77 %F	R 6/13/2022	mg/kg	30 - 130		8270D

^{*/!} Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.

CHAIN-OF-CUSTODY RECORD

Page 17 of 18

Fog L

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

QUOIE #:	REGULATORY PROGRAM: NPDES: RGP POLW STORM GWP, OLLCUND, BROWNFIELD OR OTHER:		19-138	F PIGEON	E-MAIL: Rugela @ leenv. net		PHONE 882-917-2001	(ITY: Naterburn	ADDRESS: 21 NOVAL Main S	COMPANY: LE Environmental LLC	Project Manager: Angula Emeuson	PRESERVATIVE: H-HCL; N-HNO3; S-H2SO4; Na-NaOH; M-MEOH	MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER	SB-131	SB-130	5\$-129	SB-128	SB-127	SB-126	SB-125	SIS -124	SB-123	5B-122	SAMPLE I.D.	
F0 #:	POTW STORMWATER OR BELD OR OTHER:	OTHER:		7	\$				St. Unit#1	かれて	Emeson	a-NaOH; M-MEOH	; SW-SURFACE WATER; DW-DRINKIN	1030	0835		1040	0850	5460	1050	0900	1000	6/8/22; 1100	SAMPLING DATE/TIME *IF COMPOSITE, [NDICATE BOTH START & FINISH DATE/TIME	
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25 CHENELL DRIVE | CONCORD, NH 03301 | Tel: 603.228.0525 | I.800.287.0525 | E-Mail: CustomerService@EasternAnalytical.com | www.EasternAnalytical.com

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(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

CHAIN-OF-CUSTODY RECORD

	GWP, OIL FUNG BROWNFIELD OR OTHER: PO #		PROJECT # 19-138	hngela @	PHONE: 802 - 917 - 2001		ADDRESS: 21 North Main	PROJECT MANAGER: Angels Emerson	MATRIX: A-AIR, S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water. WW-Waste water Preservative: H-HCL; N-HNO3; S-H2SO4; Na-NaOH; M-MEOH			Duplicate	00/100	<7 127	SB-132	SAMPLE I.D.		rage of of	و
	PO #:	POTW STORMWATER OR	ERTY	leany, net	EXI:	STATE: VT	4. Unit#	EMERSON	R. SW-SURFACE WATER; DW-DRINKIN Va-NaOH; M-MEOH			00100	-	1,0,1	16/8/22:0920	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME			
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FIELD READINGS:	SUSPECTED CONTAMINATION:				NOIES. (IE: STELIAL DETECTION EMILIS, DILLING INTO, IT DITTERENT)	SAMPLES FIELD FILTERED? YES NO		METALS: 8 RCRA 13 PP FE, MN PB, CU					.\ -			REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY TOTAL COLIFORM E. COLI FECAL COLIFORM ENTEROCOCCI HETEROTROPHIC PLATE COUNT # OF CONTAINERS Page	MICRO OHHER	244364 — G	

professional laboratory and drilling services Eastern Analytical, Inc.

25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | E-Mail: CustomerService@EasternAnalytical.com | www.EasternAnalytical.com (WHITE: ORIGINAL

GREEN: PROJECT MANAGER)



APPENDIX C

Data Validation Report



21 North Main Street • Waterbury, Vermont 05676 Phone: (802) 917-2001 • www.leenv.net

Data Validation Report Pigeon Property PAH Delineation Westford, Vermont June 23, 2022

Project Description

This data validation report applies to soil samples collected and tested for polycyclic aromatic hydrocarbons (PAHs) at the Pigeon Property in Westford, Vermont on June 8, 2022. Samples were collected using the scope of work presented in the approved Site-Specific Quality Assurance Project Plan (SSQAPP) Addendum (EPA RFA#19093) for Brownfields Contaminated Soil Delineation Investigation revised on May 16, 2022. The planned project scope included collection of 12 soil samples and a duplicate sample for PAH testing to further delineate the horizontal extent of PAH contamination at the Site.

Soil Sampling Summary

Twelve soil samples and one duplicate soil sample were collected on June 8, 2022. The samples were collected using a stainless-steel hand auger. Eastern Analytical, Inc. (EAI) of Concord, NH performed laboratory analysis of soil samples. The soil samples were analyzed for PAHs via EPA Method 8270D

<u>Sampling Procedures and Protocols</u>

Sampling was performed in accordance with the procedures specified in the SSQAPP addendum. Field data sheets were reviewed to ensure proper documentation of the sampling conditions. All entries were made with permanent ink. Entries included the identity of the sampler, sampling location, time, and date.

The chain of custody forms were reviewed to ensure the sample identification, number, type and size of sample containers, preservatives used; and signatures were properly recorded and were in accordance with the SSQAPP addendum.

The laboratory cover sheets, sample acceptance forms and case narratives were reviewed. All samples adhered to the laboratories' acceptance policies. All samples were analyzed in accordance with the laboratory's SOPs. No deviations from laboratory protocols were noted on the laboratory cover sheets.

Blanks

Method blanks were prepared by the laboratory for the PAH analyses performed and reported no detection of compounds, indicating that there was no contamination of

Data Validation Report Pigeon Property PAH Delineation Westford, Vermont June 23, 2022



samples while at the laboratory.

MS/MSD and LCS/LCSD

The laboratory performed laboratory control samples/laboratory control sample duplicate (LCS/LCSD) analysis. All results were within laboratory control limits.

RPD

Relative percent difference (RPD) values were calculated for the SB-124 and duplicate sample obtained in the field. RPDs ranged from 73-84% which exceeds the 50% allowable range. This may be attributed to the relatively low concentrations of PAHs in each sample as well as soil heterogeneity.

Surrogate Recovery

Surrogate recovery analyses performed by the laboratories are within acceptable ranges.

Reporting Limits

All laboratory reporting limits were below the appropriate regulatory threshold criteria. Several of the samples had laboratory reporting limits above Form K values, but below appropriate regulatory threshold criteria.

Deviations

There were no deviations from the site-specific QAPP addendum work scope.

Conclusion

Based on the findings presented above, all data should be accepted without condition.

Respectfully Submitted,

Alan Liptak, EP

Project Quality Assurance Officer

Data Validation Summary Table Pigeon Property PAH Delineation Westford Vermont LEE #19-138 Page 1 of 2



		F	age 1 of 2					
Sample Name	SB-122	SB-123	SB-124	SB-125	SB-126	SB-127	SB-128	SB-129
Lab sample number	244364.01	244364.02	244364.03	244364.04	244364.05	244364.06	244364.07	244364.08
Date Sampled	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22	6/8/22
Date of Extraction	6/13/22	6/13/22	6/13/22	6/13/22	6/13/22	6/13/22	6/13/22	6/13/22
Date of Analysis	6/13/22	6/14/22	6/14/22	6/14/22	6/14/22	6/14/22	6/14/22	6/14/22
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Was analysis completed within EPA Method specified holding time?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Were the samples properly handled under COC guidelines?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Were the samples properly chilled? (0-6 degrees C)	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Were any compounds detected in blanks?	N	N	N	N	N	N	N	N
Were the samples properly labeled?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Relative Percent Difference (RPD) acceptable? (<=50% RPD)	N/A	N/A	N(2)	N/A	N/A	N/A	N/A	N/A
Were laboratory surrogate recovery concentrations acceptable?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Were laboratory control samples and duplicates acceptable?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Reporting limits meet Form K values	N (1)	N (1)	N (1)	N (1)	N (1)	N (1)	N (1)	N (1)
Are reporting limits below applicable standards?	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Sample Name	SB-130	SB-131	SB-132	Duplicate				
Lab sample number	244364.09	244364.1	244364.11	244364.12				
Date Sampled	6/8/22	6/8/22	6/8/22	6/8/22				
Date of Extraction	6/13/22	6/13/22	6/13/22	6/13/22				
Date of Analysis	6/14/22	6/14/22	6/14/22	6/14/22				
Sample Type	Soil	Soil	Soil	Soil				
Was analysis completed within EPA Method specified holding time?	Υ	Υ	Υ	Υ				
Were the samples properly handled under COC guidelines?	Υ	Υ	Υ	Υ				
Were the samples properly chilled? (0-6 degrees C)	Υ	Υ	Υ	Υ				
Were any compounds detected in blanks?	N	N	N	N				
Were the samples properly labeled?	Υ	Υ	Υ	Υ				
Relative Percent Difference (RPD) acceptable? (<=50% RPD)	N/A	N/A	N/A	N(2)				
Were laboratory surrogate recovery concentrations acceptable?	Υ	Υ	Υ	Υ				
Were laboratory control samples and duplicates acceptable?	Υ	Υ	Υ	Υ				
Reporting limits meet Form K values	N (1)	N (1)	N (1)	N (1)				
Are reporting limits below applicable standards?	Υ	Υ	Υ	Υ				

Notes:

Y=Yes, N=No, N/A=Not applicable to sample

N(1)= laboratory reporting limit exceeded Form K value of 0.007 mg/kg

N(2)=RPDs exceeded 50%, likely due to low concentrations and soil heterogeneity

Relative Percent Difference Calculations Pigeon Property PAH Delineation Westford, VT



Page 2 of 2

Soil Sample	SB-124	Duplicate	Relative
Sample Depth (ft)	0-1.5	0-1.5	Difference
Sample Date	6/8/22	6/8/22	(%)
PCBs, EPA Method 8082 (mg/kg	g, dry)		
Naphthalene	ND< 0.008	ND< 0.008	-
2-Methylnaphthalene	ND< 0.008	ND< 0.008	-
1-Methylnaphthalene	ND< 0.008	ND< 0.008	-
Acenaphthylene	0.015	ND< 0.008	-
Acenaphthene	ND< 0.008	ND< 0.008	-
Fluorene	0.0087	ND< 0.008	-
Phenanthrene	0.11	ND< 0.008	-
Anthracene	0.011	ND< 0.008	-
Fluoranthene	0.15	0.015	82
Pyrene	0.13	0.016	78
Benzo(a)anthracene	0.062	0.0098	73
Chrysene	0.07	0.0098	75
Benzo(b)fluoranthene	0.077	0.012	73
Benzo(k)fluoranthene	0.027	ND< 0.008	-
Benzo(a)pyrene	0.067	0.0097	75
Indeno(1,2,3-cd)pyrene	0.047	ND< 0.008	-
Dibenz(a,h)anthracene	0.0095	ND< 0.008	-
Benzo(g,h,i)perylene	0.044	ND< 0.008	-
Total Reported PAHs	0.828	0.072	84



Brownfields Contaminated Soil Delineation Investigation Report Pigeon Property, 1705 Route 128, Westford, Vermont

Appendix D

Field Notes

1705 ROUTE 128 WESTFORD, VT PAH SOIL SAMPLING FIELD FORM IOB # 19-138

	1.	1					• •
	Melal		* - * - *		Λ 1	4.1	
DATE:	6101	アプ		INSPECTORS(S):	HE /	AL	
							

Equipment Needed: PID, Handauger, EAI containers, markers, chain of custody, decon equipment (coolers, gloves, alconox, distilled water, etc.)

TASK 1: Collect twelve soil samples from 0-18" using a hand auger. Collect one duplicate sample as well. Use a PID to screen each sample for the presence of VOCs. Submit the 13 samples for analytical analysis of PAHs via EPA Method 8270.

Sample #	Time	PID
SB-122	1100	0.0
SB-123	1220	0.0
SB-124	0900	0.0
<u>SB-125</u>	1050	8.0
<u>SB-126</u>	0945	٥.٥
SB-127	0850	0,0
SB-128	1040	0.0
SB-129	0935	0.0
<u>SB-130</u>	0835	0.0
SB-131	1030	0.0
SB-132	0920	0.0
<u>SB-133</u>	1020	0.0
Dulplicate- SB-124	1900	0, 0

Notes:

Petroleum odors noted near culvert. No sheens noted-no discharge form entrest. PID reading o.le ppm in culvert